SUBJECT INDEX

Abrasives

Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Accreditation

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Acetate

Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.

Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, Mingbo Qu and Sanjoy K. Bhattacharya, EE Aug. 96, p749-756.

Acid rain

Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Acids

Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, Mingbo Qu and Sanjoy K. Bhattacharya, EE Aug. 96, p749-756.

Activated carbon

Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, D. A. Lyn, EE Nov. 96, p1013-1022.

Editor's Note, Thomas L. Theis, EE Apr. 96, p247.

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, E. G. Furuya, H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-916.

Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.

Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

Transport and Sorption of Organic Gases in Activated Carbon, Tsair-Fuh Lin, John C. Little and Willliam W. Nazaroff, EE Mar. 96, p169-175.

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Treatability of *s*-Triazine Herbicide Metabolites Using Powdered Activated Carbon, Craig D. Adams and Tammy L. Watson, EE Apr. 96, p327-330.

Activated carbon treatment

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Activated sludge

Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.

Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.

Engineering Models of Combined Chemical and Biological Processes, Jon P. Scott and David F. Ollis, EE Dec. 96, p1110-1114.

One-Dimensional Clarifier Model with Sludge Blanket Heights, Randall W. Watts, Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100.

Toxicity of Organic Chemicals and Their Mixtures to Activated Sludge Microorganisms, E. Hall, B. Sun, J. Prakash and N. Nirmalakhandan, EE May 96, p424-429.

Activated sludge process

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Fuzzy Logic Process Control of HPO-AS Process, Mark T. Yin and Michael K. Stenstrom, EE June 96, p484-492.

Adhesive bonding

Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Adsorbents

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, Junbiao Liu, John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713.

Adsorption

Editor's Note, Thomas L. Theis, EE Mar. 96, p168.

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, E. G. Furuya, H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-9!6.

Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Treatability of *s*-Triazine Herbicide Metabolites Using Powdered Activated Carbon, Craig D. Adams and Tammy L. Watson, EE Apr. 96, p327-330.

Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

Advection

Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.

Aeration

Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.

Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Weir Aeration: Models and Unit Energy Consumption, Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199.

Aeration tanks

Changes in Bacterial Aerosols with Height Above Aeration Tanks, Bernard Sawyer, K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373.

Editor's Note, Thomas L. Theis, EE May 96, p340.

Aerators

Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Aerobic processes

Model for Effective Diffusivities in Aerobic Biofilms, Roger K. Hinson and Walter M. Kocher, EE Nov. 96, p1023-1030.

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Aerobic treatment

Modeling Bacterial Decay Coefficient During SSDML Process, T. R. Sreekrishnan, R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002.

Oxygen Transfer Efficiency in Small Diffusers, Mark A. Tumeo and Tamar J. Stephens, EE Jan. 96, p55-57.

Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.

Aerodynamic forces

Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Aerosols

Changes in Bacterial Aerosols with Height Above Aeration Tanks, Bernard Sawyer, K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373.

Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, Demetrios J. Moschandreas, Daniel K. Cha and Jon Qian, EE May 96, p374-378.

Agricultural economics

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Agricultural watersheds

Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Agronomics

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Air pollution

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Engineering Model for Fixed-Film Bioscrubbers, Hanneke F. Ockeloen, Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197.

Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.

Air stripping

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Alcohols

Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, C. D. Adams, S. Spitzer and R. M. Cowan, EE June 96, p477-483.

Algae

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Algorithms

Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, Yuh-Ming Lee and J. Hugh Ellis, EE June 96, p524-531.

Alkalinity

Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Alluvium
Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Ambient air quality
Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, Hwey-Lin Sheu, Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109.

Ammonia
Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, Gary G. Rott, EE July 96, p669-671.

Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, Moo Been Chang and Tian Deng Tseng, EE Jan. 96, p41-46.

Anaerobic filters
Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, Tin Sang Kwong and Herbert H. P. Fang, EE Jan. 96, p9-17.

Editor's Note, Thomas L. Theis, EE Jan. 96, p3.

Anaerobic processes
Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, Tin Sang Kwong and Herbert H. P. Fang, EE Jan. 96, p9-17.

Anaerobic Removal of Pentachlorophenol in Presence of Zinc, Peikang Jin and Sanjoy K. Bhattacharya, EE July 96, p590-598.

Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.

Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.

Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, Mingbo Qu and Sanjoy K. Bhattacharya, EE Aug. 96, p749-756.

Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, Joo-Hwa Tay, Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476.

ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

Analysis
Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.

Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.

Aquifers
Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Aromatic hydrocarbons
Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, Hwey-Lin Sheu, Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109.

Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.

Arsenic
Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

ASCE Activities
Editorial, EE Jan. 96, p1-2.

ASCE Awards & Prizes
Editor's Note, Thomas L. Theis, EE Mar. 96, p168.

ASCE Honorary Members
Editor's Note, Thomas L. Theis, EE Mar. 96, p168.

ASCE Policy
Editorial, Thomas L. Theis, EE Oct. 96, p887.

ASCE Publications
Editorial, Thomas L. Theis, EE June 96, p451.
Editorial, Thomas L. Theis, EE July 96, p555.
Editorial, Thomas L. Theis, EE Sept. 96, p777.
Editorial, Thomas L. Theis, EE Oct. 96, p887.
Editor's Note, Thomas L. Theis, EE Jan. 96, p3.
Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Automation
Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Bacteria
Changes in Bacterial Aerosols with Height Above Aeration Tanks, Bernard Sawyer, K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373.

Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Baffles
Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Barriers
Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.

Bayesian analysis
Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.

Bays
Modeling the Fate of Copper Discharged to San Francisco Bay, Carl W. Chen, Daniel Leva and Adam Olivieri, EE Oct. 96, p924-934.

Benzene
Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.

Biochemical oxygen demand
Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, Gary G. Rott, EE July 96, p669-671.

Effect of Biodegradable Carbon on Biological Phosphorus Removal, Syed R. Qasim, Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878.

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Postaudit of Upper Mississippi River BOD/DO Model, Wu-Seng Lung, EE May 96, p350-358.

Biodegradation
Anaerobic Removal of Pentachlorophenol in Presence of Zinc, Peikang Jin and Sanjoy K. Bhattacharya, EE July 96, p590-598.

Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.

Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, C. D. Adams, S. Spitzer and R. M. Cowan, EE June 96, p477-483.

Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, Mathew M. Shurtliff, Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589.

Effect of Biodegradable Carbon on Biological Phosphorus Removal, Syed R. Qasim, Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878.

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.

VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.

Biofilm
Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Engineering Model for Fixed-Film Bioscrubbers, Hanneke F. Ockeloen, Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197.

Inappropriate Parameterization in Biofilm-Process Design Curves, C. S. P. Ojha and Rajnish Shrivastava, EE Jan. 96, p67-70.

Model for Effective Diffusivities in Aerobic Biofilms, Roger K. Hinson and Walter M. Kocher, EE Nov. 96, p1023-1030.

Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.

VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Biological operations
Effect of Biodegradable Carbon on Biological Phosphorus Removal, Syed R. Qasim, Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878.

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.

Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.

Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

Biological properties
Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, Demetrios J. Moschandreas, Daniel K. Cha and Jon Qian, EE May 96, p374-378.

Biological treatment
Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.

Engineering Model for Fixed-Film Bioscrubbers, Hanneke F. Ockeloen, Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197.

Engineering Models of Combined Chemical and Biological Processes, Jon P. Scott and David F. Ollis, EE Dec. 96, p1110-1114.

Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Biomass
Aerobic Fluidized Bed Reactor with Internal Media Cleaning, Steven I. Safferman and Paul L. Bishop, EE Apr. 96, p284-291.

Editor's Note, Thomas L. Theis, EE Jan. 96, p3.

Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, Joo-Hwa Tay, Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476.

How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Biomechanics
Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Birds
Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Blocks
EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.

Buildings, residential
Survey to Estimate Residential Solid Waste Generation, Benjamin F. King and Raymond C. Murphy, EE Oct. 96, p897-901.

Take-Home Toxin Pathway, John Zirschky, EE May 96, p430-436.

Buoyancy
Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Calcium
Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.

Calcium aluminate
Leaching Characteristics of Solidification System of C_3A/CuO, Cheng-Fang Lin and Hwa-Wey Huang, EE Apr. 96, p323-326.

Calibration
One-Dimensional Clarifier Model with Sludge Blanket Heights, Randall W. Watts, Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100.

California
Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.

Capacity
Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Carbon
Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, Gary G. Rott, EE July 96, p669-671.

Effect of Biodegradable Carbon on Biological Phosphorus Removal, Syed R. Qasim, Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878.

Carbon dioxide
Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Carcinogens
Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

Case reports
Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Cements
Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

Channels, waterways
Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Chaos
Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Chelating agents
Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Chemical oxygen demand
Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.

Chemical reactions
Leaching Characteristics of Solidification System of C_3A/CuO, Cheng-Fang Lin and Hwa-Wey Huang, EE Apr. 96, p323-326.

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Chemical treatment
Engineering Models of Combined Chemical and Biological Processes, Jon P. Scott and David F. Ollis, EE Dec. 96, p1110-1114.

Chemicals
Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.

Chesapeake Bay
Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Chlorides
Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.

Chlorine
Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Cisterns
Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, D. A. Lyn, EE Nov. 96, p1013-1022.

Hydraulic Residence Time of CSTRs under Unsteady-State Condition, Jian Peng, EE Nov./Dec. 94, p1446-1458.

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

Clarifiers
One-Dimensional Clarifier Model with Sludge Blanket Heights, Randall W. Watts, Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100.

Classification
Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Clays
Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Coal mine wastes
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Robert S. Hedin, EE Jan. 96, p83-84.

Cohesion
Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Cohesive sediment
Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Coliforms
Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.

Combined sewers
Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Combustion
Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

Communication skills
Editorial, Thomas L. Theis, EE Sept. 96, p777.

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Comparative studies
Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, Yuh-Ming Lee and J. Hugh Ellis, EE June 96, p524-531.

Composts
Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.

Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.

Compressive strength
Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Computation
Implicit Scheme for Estuarine Water-Quality Models, Byung-Gi Hwang and Wu-Seng Lung, EE Jan. 96, p63-66.

Computer applications
Inappropriate Parameterization in Biofilm-Process Design Curves, C. S. P. Ojha and Rajnish Shrivastava, EE Jan. 96, p67-70.

Computer models
Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Concentration
Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.

Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.

Concrete structures
Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Conferences
Editorial, Bruce Logan, EE Mar. 96, p167.

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Containment
Electrode Placement for Subsurface Electric Field Generation, William O. Rasmussen and Muniram Budhu, EE Aug. 96, p764-768.

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Contaminants
Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.

Contaminant Transport in Nonisothermal Fractured Porous Media, Mao Bai, Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423.

Editor's Note, Thomas L. Theis, EE May 96, p340.

Editor's Note, Thomas L. Theis, EE June 96, p452.

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, Tjalfe G. Poulsen, Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706.

Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, Moo Been Chang and Tian Deng Tseng, EE Jan. 96, p41-46.

Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, Junbiao Liu, John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713.

Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.

Contamination
Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, Demetrios J. Moschandreas, Daniel K. Cha and Jon Qian, EE May 96, p374-378.

Simulation of Bioventing for Soil and Ground-Water Remediation, Paul D. McClure and Brent E. Sleep, EE Nov. 96, p1003-1012.

Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Take-Home Toxin Pathway, John Zirschky, EE May 96, p430-436.

Washing of Zinc (II) from Contaminated Soil Column, Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185.

Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

Control

Anaerobic Removal of Pentachlorophenol in Presence of Zinc, Peikang Jin and Sanjoy K. Bhattacharya, EE July 96, p590-598.

Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.

Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Control systems

Fuzzy Logic Process Control of HPO-AS Process, Mark T. Yin and Michael K. Stenstrom, EE June 96, p484-492.

Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Copper

Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, Jane M. Dormon, Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283.

Modeling the Fate of Copper Discharged to San Francisco Bay, Carl W. Chen, Daniel Leva and Adam Oliveri, EE Oct. 96, p924-934.

Correlation analysis

Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Corrosion control

Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Cost effectiveness

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Cost estimates

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Cost minimization

Design of Branched-Water-Supply Network on Uneven Terrain, Brian Young, EE July/Aug. 94, p974-980.

Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Costs

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Ralph E. Wilbur, EE Jan. 96, p80-82.

GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Crude oil

Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Curricula

Editorial, Mark R. Wiesner and Thomas L. Theis, EE Feb. 96, p89-90.

Editorial, Bruce Logan, EE Mar. 96, p167.

Editorial, Anthony G. Collins and Rafael Bras, EE May 96, p339.

Cyclone separators

Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Data collection

Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.

Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Data processing

Graphical Methods for Assessing Changes in Water Quality, Karen Cozzetto and P. M. Berthouex, EE July 96, p667-668.

Decay

Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Decision making

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Decision support systems

Landfill Siting Using Geographic Information Systems: A Demonstration, Muhammad Z. Siddiqui, Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523.

Decomposition

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Degradation

Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.

Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, Mingbo Qu and Sanjoy K. Bhattacharya, EE Aug. 96, p749-756.

Engineering Models of Combined Chemical and Biological Processes, Jon P. Scott and David F. Ollis, EE Dec. 96, p1110-1114.

Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.

Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, Heung Yong Ha and Marc A. Anderson, EE Mar. 96, p217-221.

Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.

Denitrification

Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Editor's Note, Thomas L. Theis, EE July 96, p556.

Deposition

Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, Hwey-Lin Sheu, Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109.

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Resuspension of Particle Bed by Round Vertical Jet, Jordi Colomer and Harindra J. S. Fernando, EE Sept. 96, p864-869.

Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

Design

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

UV Disinfection of Wastewater: Probabilistic Approach to Design, Frank J. Loge, Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084.

Design modifications

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Desorption

Transport and Sorption of Organic Gases in Activated Carbon, Tsair-Fuh Lin, John C. Little and Willliam W. Nazaroff, EE Mar. 96, p169-175.

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Detention basins

Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Dewatering

Improved Characterization of Mixing for Sludge Conditioning, Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244.

Diesel fuels

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

Diffusers

Oxygen Transfer Efficiency in Small Diffusers, Mark A. Tumeo and Tamar J. Stephens, EE Jan. 96, p55-57.

Diffusion

Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.

Evaporation of Petroleum Products from Contaminated Soil, Seon-Hong Kang and Charles S. Oulman, EE May 96, p384-387.

Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, E. G. Furuya, H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-916.

Diffusion coefficient

Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, D. A. Lyn, EE Nov. 96, p1013-1022.

Diffusivity

Model for Effective Diffusivities in Aerobic Biofilms, Roger K. Hinson and Walter M. Kocher, EE Nov. 96, p1023-1030.

Disinfection

Moment Analysis of Tracer Experiments, Charles N. Haas, EE Dec. 96, p1121-1123.

UV Disinfection of Wastewater: Probabilistic Approach to Design, Frank J. Loge, Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084.

Dispersion

Field Estimation of Standard Deviations for 3D Gaussian Model, An Jin and Shoou-Yuh Chang, EE July 96, p660-662.

Moment Analysis of Tracer Experiments, Charles N. Haas, EE Dec. 96, p1121-1123.

Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.

Dissolved organic carbon

Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Dissolved oxygen

Determination of Reaeration Coefficients: Whole-Lake Approach, Rakesh K. Gelda, Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275.

Postaudit of Upper Mississippi River BOD/DO Model, Wu-Seng Lung, EE May 96, p350-358.

Weir Aeration: Models and Unit Energy Consumption, Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199.

Dissolved solids

Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.

Use of Fluorspar in Water Fluoridation, Ching-Gang Peng, Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140.

Drainage

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Frederick M. Williams and Lloyd R. Stark, EE Jan. 96, p84-85.

Dust

Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Economics

Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Education

Editorial, Mark R. Wiesner and Thomas L. Theis, EE Feb. 96, p89-90.

Editorial, Bruce Logan, EE Mar. 96, p167.

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Effluents

Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.

Electric power transmission

Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Electrical conductivity

Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Electrification

Electrode Placement for Subsurface Electric Field Generation, William O. Rasmussen and Muniram Budhu, EE Aug. 96, p764-768.

Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, Jerry E. Ongerth and Julie Proctor Pecoraro, EE Mar. 96, p228-231.

Electrolysis

Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.

Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.

Emission control

Editor's Note, Thomas L. Theis, EE Mar. 96, p168.

Emissions

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Energy consumption

Weir Aeration: Models and Unit Energy Consumption, Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199.

Energy recovery systems

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Engineering education

Editorial, Anthony G. Collins and Rafael Bras, EE May 96, p339.

Editorial, Thomas L. Theis, EE June 96, p451.

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Engineers

Editorial, Anthony G. Collins and Rafael Bras, EE May 96, p339.

Entrainment

Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Environmental audits

Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Environmental effects

Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Environmental engineering

Editorial, EE Jan. 96, p1-2.

Editorial, Mark R. Wiesner and Thomas L. Theis, EE Feb. 96, p89-90.

Editorial, Bruce Logan, EE Mar. 96, p167.

Editorial, Thomas L. Theis, EE June 96, p451.

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Environmental Engineering Forum, Takashi Asano and George Tchohanoglous, EE Aug. 95, p548.

Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Environmental impacts

Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Environmental issues

Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Environmental quality

Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, Moo Been Chang and Tian Deng Tseng, EE Jan. 96, p41-46.

Erosion

Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

Estimation

Field Estimation of Standard Deviations for 3D Gaussian Model, An Jin and Shoou-Yuh Chang, EE July 96, p660-662.

Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Estuaries

Implicit Scheme for Estuarine Water-Quality Models, Byung-Gi Hwang and Wu-Seng Lung, EE Jan. 96, p63-66.

Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Eutrophication

Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Evaporation

Evaporation of Petroleum Products from Contaminated Soil, Seon-Hong Kang and Charles S. Oulman, EE May 96, p384-387.

Landfill Leachate Treatment by Evaporation, Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131.

Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Expert systems

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

Extraction procedures

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, Tjalfe G. Poulsen, Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706.

Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Facilities

Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.

Fibers

Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.

Field tests

Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.

Filter materials

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Filtration

Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Finegrained soils

Electrode Placement for Subsurface Electric Field Generation, William O. Rasmussen and Muniram Budhu, EE Aug. 96, p764-768.

Finite difference method

Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.

Finite elements

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Fire safety

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Ralph E. Wilbur, EE Jan. 96, p80-82.

Fires

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Harry Shaw, EE Jan. 96, p79-80.

Fixed-film process

Editor's Note, Thomas L. Theis, EE July 96, p556.

Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.

Flocculation

Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.

Moment Analysis of Tracer Experiments, Charles N. Haas, EE Dec. 96, p1121-1123.

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Flood damage

Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

Flow

Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.

Flow characteristics

Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Flow control

Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Flow measurement

Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.

Flow rates

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Frederick M. Williams and Lloyd R. Stark, EE Jan. 96, p84-85.

Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.

Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.

Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

Fluidized bed processing

Aerobic Fluidized Bed Reactor with Internal Media Cleaning, Steven I. Safferman and Paul L. Bishop, EE Apr. 96, p284-291.

Fluidized bed processors

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

Fluidized beds

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Fluoridation

Editor's Note, Thomas L. Theis, EE Feb. 96, p91.

Use of Fluorspar in Water Fluoridation, Ching-Gang Peng, Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140.

Flushing

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Fly ash

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

Stabilization/Solidification of Hazardous Wastes Using Fly Ash, Jafar Parsa, Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940.

Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

Fouling

Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, Jane M. Dormon, Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283.

Fresh water

Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, Jane M. Dormon, Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283.

Friction

Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Frozen soils

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Fuzzy sets

Fuzzy Logic Process Control of HPO-AS Process, Mark T. Yin and Michael K. Stenstrom, EE June 96, p484-492.

Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Gaussian distribution

Field Estimation of Standard Deviations for 3D Gaussian Model, An Jin and Shoou-Yuh Chang, EE July 96, p660-662.

Geographic information systems

Landfill Siting Using Geographic Information Systems: A Demonstration, Muhammad Z. Siddiqui, Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523.

Multifactor Spatial Analysis for Landfill Siting, Jehng-Jung Kao and Hung-Yue Lin, EE Oct. 96, p902-908.

Geotextiles

Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.

Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Giardiasis

Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, Jerry E. Ongerth and Julie Proctor Pecoraro, EE Mar. 96, p228-231.

Goals

Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

Granular media

Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, D. A. Lyn, EE Nov. 96, p1013-1022.

Editor's Note, Thomas L. Theis, EE June 96, p452.

Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, Joo-Hwa Tay, Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476.

Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Graphic techniques

Inappropriate Parameterization in Biofilm-Process Design Curves, C. S. P. Ojha and Rajnish Shrivastava, EE Jan. 96, p67-70.

Graphical analysis

Graphical Methods for Assessing Changes in Water Quality, Karen Cozzetto and P. M. Berthouex, EE July 96, p667-668.

Ground water

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.

Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

Simulation of Bioventing for Soil and Ground-Water Remediation, Paul D. McClure and Brent E. Sleep, EE Nov. 96, p1003-1012.

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Ground-water management

Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.

Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.

Ground-water pollution

Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.

Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.

Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.

Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.

Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

Treatability of *s*-Triazine Herbicide Metabolites Using Powdered Activated Carbon, Craig D. Adams and Tammy L. Watson, EE Apr. 96, p327-330.

Ground-water quality

Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Halides

Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Hazardous materials

Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Hazardous waste

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.

Stabilization/Solidification of Hazardous Wastes Using Fly Ash, Jafar Parsa, Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940.

Health hazards

Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Heavy metals

Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Modeling Bacterial Decay Coefficient During SSDML Process, T. R. Sreekrishnan, R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002.

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

Height

Changes in Bacterial Aerosols with Height Above Aeration Tanks, Bernard Sawyer, K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373.

Herbicides

Treatability of *s*-Triazine Herbicide Metabolites Using Powdered Activated Carbon, Craig D. Adams and Tammy L. Watson, EE Apr. 96, p327-330.

Heuristics

Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Hudson River

Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.

Hydraulic conductivity

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Hydraulic loading

One-Dimensional Clarifier Model with Sludge Blanket Heights, Randall W. Watts, Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100.

Hydraulics

Hydraulic Residence Time of CSTRs under Unsteady-State Condition, Jian Peng, EE Nov./Dec. 94, p1446-1458.

Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Two-Dimensional Hydraulics of Recirculating Groundwater Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Hydrocarbons

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Hydrodynamics

Modeling the Fate of Copper Discharged to San Francisco Bay, Carl W. Chen, Daniel Leva and Adam Olivieri, EE Oct. 96, p924-934.

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Hydrogen sulfide

Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, Moo Been Chang and Tian Deng Tseng, EE Jan. 96, p41-46.

Hydrologic models

Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Hydrology

Editor's Note, Thomas L. Theis, EE Jan. 96, p3.

Ice

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Impoundment

Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Incineration

Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Indoor air pollution

Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, Demetrios J. Moschandreas, Daniel K. Cha and Jon Qian, EE May 96, p374-378.

Industrial wastes

Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

Infectious diseases

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Iron compounds

Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

Jets

Resuspension of Particle Bed by Round Vertical Jet, Jordi Colomer and Harindra J. S. Fernando, EE Sept. 96, p864-869.

Kalman filter

Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Kansas

Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Kinetics

Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, D. A. Lyn, EE Nov. 96, p1013-1022.

Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.

Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

Transport and Sorption of Organic Gases in Activated Carbon, Tsair-Fuh Lin, John C. Little and Williiam W. Nazaroff, EE Mar. 96, p169-175.

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Laboratory tests

Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.

Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Lagoons

Modification of Design Approach to Aerated Lagoons, Linvil G. Rich, EE Feb. 96, p149-153.

Lakes

Determination of Reaeration Coefficients: Whole-Lake Approach, Rakesh K. Gelda, Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275.

Land application

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Land usage

Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Landfills

Acceleration of Landfill Stabilization Using Leachate Recycle, T. G. Townsend, W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268.

Editor's Note, Thomas L. Theis, EE Apr. 96, p247.

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Editor's Note, Thomas L. Theis, EE Nov. 96, p956.

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.

Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Landfill Leachate Treatment by Evaporation, Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131.

Landfill Siting Using Geographic Information Systems: A Demonstration, Muhammad Z. Siddiqui, Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523.

Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Multifactor Spatial Analysis for Landfill Siting, Jehng-Jung Kao and Hung-Yue Lin, EE Oct. 96, p902-908.

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.

Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Leachate collection systems

Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Leachates

Acceleration of Landfill Stabilization Using Leachate Recycle, T. G. Townsend, W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268.

Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.

Landfill Leachate Treatment by Evaporation, Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131.

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Leaching

Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.

Editor's Note, Thomas L. Theis, EE Aug. 96, p675.

Leaching Characteristics of Solidification System of C_3A/CuO, Cheng-Fang Lin and Hwa-Wey Huang, EE Apr. 96, p323-326.

Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Modeling Bacterial Decay Coefficient During SSDML Process, T. R. Sreekrishnan, R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002.

Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Lead

Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.

Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Leakage

Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.

Legislation

Editorial, EE Jan. 96, p1-2.

Liability
Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Limit states
Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

Linear programming
Editor's Note, Thomas L. Theis, EE Sept. 96, p778.
Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, Jess W. Everett and Abhijit R. Modak, EE Sept. 96, p785-792.
Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Liners
Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Liquids
Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Loading rate
Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.

Maintenance
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Robert S. Hedin, EE Jan. 96, p83-84.

Marble
Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Marine animals
Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Mass transfer
Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.
Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, Tjalfe G. Poulsen, Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706.
Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, E. G. Furuya, H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-916.
Use of Fluorspar in Water Fluoridation, Ching-Gang Peng, Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140.
VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Mathematical models
Evaporation of Petroleum Products from Contaminated Soil, Seon-Hong Kang and Charles S. Oulman, EE May 96, p384-387.
Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.
How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.
Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.
Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Measurement
Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.
ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.

Membranes
Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.
Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.
Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.
Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.
Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Metals
Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Frederick M. Williams and Lloyd R. Stark, EE Jan. 96, p84-85.
Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.
Editor's Note, Thomas L. Theis, EE Aug. 96, p675.
Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.
Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, Heung Yong Ha and Marc A. Anderson, EE Mar. 96, p217-221.
Washing of Zinc (II) from Contaminated Soil Column, Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185.

Methane
Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.
Landfill Leachate Treatment by Evaporation, Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131.

Microbes
Model for Effective Diffusivities in Aerobic Biofilms, Roger K. Hinson and Walter M. Kocher, EE Nov. 96, p1023-1030.
ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.
Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.

Microbial activity
Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.
Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.
Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Microporosity
Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Microstructure
Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, Tin Sang Kwong and Herbert H. P. Fang, EE Jan. 96, p9-17.

Mineral analysis
Use of Fluorspar in Water Fluoridation, Ching-Gang Peng, Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140.

Mississippi River
Postaudit of Upper Mississippi River BOD/DO Model, Wu-Seng Lung, EE May 96, p350-358.

Mixed waste
EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.

Mixing
Improved Characterization of Mixing for Sludge Conditioning, Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244.
Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, Robert M. Clark, Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821.
Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Mixtures
Toxicity of Organic Chemicals and Their Mixtures to Activated Sludge Microorganisms, E. Hall, B. Sun, J. Prakash and N. Nirmalakhandan, EE May 96, p424-429.

Model verification
Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.

Modeling
ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.
Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.
Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.
Hydraulic Residence Time of CSTRs under Unsteady-State Condition, Jian Peng, EE Nov./Dec. 94, p1446-1458.
Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.
Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.
Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.
Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.
Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.
One-Dimensional Clarifier Model with Sludge Blanket Heights, Randall W. Watts, Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100.
Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, Jess W. Everett and Abhijit R. Modak, EE Sept. 96, p785-792.
Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Models
Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.
Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.
Determination of Reaeration Coefficients: Whole-Lake Approach, Rakesh K. Gelda, Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275.
GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.
Implicit Scheme for Estuarine Water-Quality Models, Byung-Gi Hwang and Wu-Seng Lung, EE Jan. 96, p63-66.

Inappropriate Parameterization in Biofilm-Process Design Curves, C. S. P. Ojha and Rajnish Shrivastava, EE Jan. 96, p67-70.

Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.

Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, Parmeshwar L. Shrestha and Gerald T. Orlob, EE Aug. 96, p730-740.

SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.

VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Moments

Moment Analysis of Tracer Experiments, Charles N. Haas, EE Dec. 96, p1121-1123.

Monitoring

Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, Yuh-Ming Lee and J. Hugh Ellis, EE June 96, p524-531.

Municipal wastes

Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.

Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.

Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.

Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, J. F. Sandell, G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40.

GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.

Landfill Siting Using Geographic Information Systems: A Demonstration, Muhammad Z. Siddiqui, Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523.

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Network design

Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, Yuh-Ming Lee and J. Hugh Ellis, EE June 96, p524-531.

Design of Branched-Water-Supply Network on Uneven Terrain, Brian Young, EE July/Aug. 94, p974-980.

Nitrates

Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Nitrogen

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.

Nitrogen removal

Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Noise control

Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, Ni-Bin Chang, Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131.

Nonaqueous phase liquids

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Nonlinear programming

Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Nonpoint pollution

ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.

Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Numerical analysis

Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Numerical models

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Editor's Note, Thomas L. Theis, EE Nov. 96, p956.

Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, Tjalfe G. Poulsen, Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706.

Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Oceans

Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Odor control

Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, Moo Been Chang and Tian Deng Tseng, EE Jan. 96, p41-46.

Oil spills

Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Operation

Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Optimal control methods

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Optimal design

Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Optimization

Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, Yuh-Ming Lee and J. Hugh Ellis, EE June 96, p524-531.

Design of Branched-Water-Supply Network on Uneven Terrain, Brian Young, EE July/Aug. 94, p974-980.

Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.

Multifactor Spatial Analysis for Landfill Siting, Jehng-Jung Kao and Hung-Yue Lin, EE Oct. 96, p902-908.

Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, Jess W. Everett and Abhijit R. Modak, EE Sept. 96, p785-792.

Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, Ni-Bin Chang, Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131.

Organic chemicals

Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.

Toxicity of Organic Chemicals and Their Mixtures to Activated Sludge Microorganisms, E. Hall, B. Sun, J. Prakash and N. Nirmalakhandan, EE May 96, p424-429.

Organic compounds

Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.

Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Organic matter

Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.

Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.

Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, Junbiao Liu, John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713.

Outfall sewers

Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Overflow

Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Oxidation

Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, C. D. Adams, S. Spitzer and R. M. Cowan, EE June 96, p477-483.

Editor's Note, Thomas L. Theis, EE June 96, p452.

Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.

ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.

Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, Junbiao Liu, John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713.

Oxygen

Fuzzy Logic Process Control of HPO-AS Process, Mark T. Yin and Michael K. Stenstrom, EE June 96, p484-492.

Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.

Oxygen transfer
Editor's Note, Thomas L. Theis, EE Jan. 96, p3.
Oxygen Transfer Efficiency in Small Diffusers, Mark A. Tumeo and Tamar J. Stephens, EE Jan. 96, p55-57.
Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.

Oxygenation
Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.

Ozone
Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, C. D. Adams, S. Spitzer and R. M. Cowan, EE June 96, p477-483.
Editor's Note, Thomas L. Theis, EE June 96, p452.
Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.

Painting
Dissolution of Lead Paint in Aqueous Solutions, Gregory L. Barnes and Allen P. Davis, EE July 96, p663-666.
Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Paper industry
EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.
Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.
Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Parameters
Inappropriate Parameterization in Biofilm-Process Design Curves, C. S. P. Ojha and Rajnish Shrivastava, EE Jan. 96, p67-70.
Inverse Estimation of Parameters for an Estuarine Eutrophication Model, J. Shen and A. Y. Kuo, EE Nov. 96, p1031-1040.

Particle motion
Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, Jerry E. Ongerth and Julie Proctor Pecoraro, EE Mar. 96, p228-231.
Modeling the Fate of Copper Discharged to San Francisco Bay, Carl W. Chen, Daniel Leva and Adam Olivieri, EE Oct. 96, p924-934.

Particle removal
Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Particle size
Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Particle size distribution
Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.
Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Particles
Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.
Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, Jerry E. Ongerth and Julie Proctor Pecoraro, EE Mar. 96, p228-231.
Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.
Resuspension of Particle Bed by Round Vertical Jet, Jordi Colomer and Harindra J. S. Fernando, EE Sept. 96, p864-869.
Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.

PCB
Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.
Editor's Note, Thomas L. Theis, EE May 96, p340.

Performance
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Robert S. Hedin, EE Jan. 96, p83-84.
Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Permeability
Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.
Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Pesticides
Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.
Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Petrochemicals
Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, Hwey-Lin Sheu, Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109.

Petroleum
Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Petroleum products
Evaporation of Petroleum Products from Contaminated Soil, Seon-Hong Kang and Charles S. Oulman, EE May 96, p384-387.
Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

pH
Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.
Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Phenol
Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, Mathew M. Shurtliff, Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589.
Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, E. G. Furuya, H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-916.
Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.
Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Phosphorus removal
Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.
Effect of Biodegradable Carbon on Biological Phosphorus Removal, Syed R. Qasim, Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878.

Photochemical reactions
Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, Heung Yong Ha and Marc A. Anderson, EE Mar. 96, p217-221.

Pigs
Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Pipe flow
Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Pipelines
Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Plumes
Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Policies
Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Pollutants
Electrode Placement for Subsurface Electric Field Generation, William O. Rasmussen and Muniram Budhu, EE Aug. 96, p764-768.
Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.
Take-Home Toxin Pathway, John Zirschky, EE May 96, p430-436.

Pollution control
Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Polyethylene
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Polymers
Improved Characterization of Mixing for Sludge Conditioning, Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244.

Polyvinyl chloride
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Ponds
Editor's Note, Thomas L. Theis, EE Nov. 96, p956.
Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Pore water
Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.

Porosity
Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, Joo-Hwa Tay, Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476.

Porous media
Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.
Contaminant Transport in Nonisothermal Fractured Porous Media, Mao Bai, Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423.
Editor's Note, Thomas L. Theis, EE Aug. 96, p675.
Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.
Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Portland cements
Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Potable water
Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.
From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Power spectrum analysis
Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Preservation
Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, Jerry E. Ongerth and Julie Proctor Pecoraro, EE Mar. 96, p228-231.

Privatization
Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Probabilistic models
UV Disinfection of Wastewater: Probabilistic Approach to Design, Frank J. Loge, Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084.

Probability
Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Probes, instruments
ORP Measurement in Anaerobic Systems Using Flow-Through Cell, Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645.

Problem solving
Editorial, Mark R. Wiesner and Thomas L. Theis, EE Feb. 96, p89-90.

Professional practice
Editorial, Thomas L. Theis, EE June 96, p451.

Professional registration
Editorial, Mark R. Wiesner and Thomas L. Theis, EE Feb. 96, p89-90.

Editorial, Anthony G. Collins and Rafael Bras, EE May 96, p339.

Professional societies
Editorial, Anthony G. Collins and Rafael Bras, EE May 96, p339.

Public health
Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Frederick L. Hart, EE Jan. 96, p78-79.

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Public safety
Closure to Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems, Thomas M. Walski, EE Jan. 96, p82.

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Harry Shaw, EE Jan. 96, p79-80.

Publishing
Editorial, Thomas L. Theis, EE Oct. 96, p887.

Pumping stations
Optimum Simulation and Control of Fixed-Speed Pumping Stations, Mark T. Yin, John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211.

Pyrolysis
Editor's Note, Thomas L. Theis, EE Apr. 96, p247.

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Radial flow
Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.

Reaeration
Determination of Reaeration Coefficients: Whole-Lake Approach, Rakesh K. Gelda, Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275.

Recycling
EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Regeneration
Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, Junbiao Liu, John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713.

Regional planning
Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, Jess W. Everett and Abhijit R. Modak, EE Sept. 96, p785-792.

Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Regulations
Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Ralph E. Wilbur, EE Jan. 96, p80-82.

Rehabilitation
Pigging Submarine Outfalls, Jonathan A. French, EE May 95, p396-401.

Reliability
Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Remedial action
Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, Mathew M. Shurtliff, Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589.

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Editor's Note, Thomas L. Theis, EE Nov. 96, p956.

Electrode Placement for Subsurface Electric Field Generation, William O. Rasmussen and Muniram Budhu, EE Aug. 96, p764-768.

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, Andrew Hong, Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62.

Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, T. Prabhakar Clement, Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839.

Permeable Barriers to Remove Benzene: Candidate Media Evaluation, J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415.

Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.

Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, Arun Joshi and Malay Chaudhuri, EE Aug. 96, p769-771.

Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

Scaling Bacterial Filtration Rates in Different Sized Porous Media, Michael J. Martin, Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415.

Simulation of Bioventing for Soil and Ground-Water Remediation, Paul D. McClure and Brent E. Sleep, EE Nov. 96, p1003-1012.

Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Reservoirs
Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, Robert M. Clark, Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821.

Residence time
Hydraulic Residence Time of CSTRs under Unsteady-State Condition, Jian Peng, EE Nov./Dec. 94, p1446-1458.

Residences
Take-Home Toxin Pathway, John Zirschky, EE May 96, p430-436.

Residential location
Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.

Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.

Retrofitting
Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Reverse osmosis
Editor's Note, Thomas L. Theis, EE Apr. 96, p247.

Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, Benito J. Mariñas and Richard I. Urama, EE Apr. 96, p292-298.

Reviewing
Editorial, Thomas L. Theis, EE July 96, p555.

Reviews
Editorial, Thomas L. Theis, EE Sept. 96, p777.

Risk analysis
Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.

Risks
Closure to Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems, Thomas M. Walski, EE Jan. 96, p82.

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Frederick L. Hart, EE Jan. 96, p78-79.

Rivers
Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Rotating biological contactor
Editor's Note, Thomas L. Theis, EE July 96, p556.

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.

VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.

VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Route surveys
Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.

Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.

Runoff

ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.

Rural areas

Design of Branched-Water-Supply Network on Uneven Terrain, Brian Young, EE July/Aug. 94, p974-980.

Sampling

Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, Demetrios J. Moschandreas, Daniel K. Cha and Jon Qian, EE May 96, p374-378.

Sand

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

Sanitary engineering

Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Saturation

Hydraulic Conductivity of Frozen Granular Soils, Orlando B. Andersland, David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216.

Scour

Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Screens

Aerobic Fluidized Bed Reactor with Internal Media Cleaning, Steven I. Safferman and Paul L. Bishop, EE Apr. 96, p284-291.

Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, Jane M. Dormon, Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283.

Scrubbers

Engineering Model for Fixed-Film Bioscrubbers, Hanneke F. Ockeloen, Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197.

Sea water

Long-Term Leaching of Metals from Concrete Products, Matthew T. Webster and Raymond C. Loehr, EE Aug. 96, p714-721.

Sealing

Sealing Leaks in Geomembrane Liners Using Electrophoresis, Glenn T. Darilek, M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544.

Seasonal variations

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Sediment

Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.

Sediment transport

ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.

Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

Sedimentation

Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Sedimentation tanks

Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Sensitivity analysis

Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, A. B. Shahalam, R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093.

Separators

Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Settlement analysis

Acceleration of Landfill Stabilization Using Leachate Recycle, T. G. Townsend, W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268.

Sewage sludge

Operational Strategy for Metal Bioleaching Based on pH Measurements, Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535.

Planning Biosolids Land Application Rates for Agricultural Systems, David M. Crohn, EE Dec. 96, p1058-1066.

Sewage treatment

Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Sewers

Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.

Shellfish

Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, Jane M. Dormon, Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283.

Simulation

Probabilistic Analysis of Ocean Outfall Mixing Zones, Hening Huang, Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367.

Simulation models

Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.

Site evaluation

Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Multifactor Spatial Analysis for Landfill Siting, Jehng-Jung Kao and Hung-Yue Lin, EE Oct. 96, p902-908.

Site investigation

Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Site selection

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Site selection studies

Landfill Siting Using Geographic Information Systems: A Demonstration, Muhammad Z. Siddiqui, Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523.

Size effect

Oxygen Transfer Efficiency in Small Diffusers, Mark A. Tumeo and Tamar J. Stephens, EE Jan. 96, p55-57.

Sludge

Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, Tin Sang Kwong and Herbert H. P. Fang, EE Jan. 96, p9-17.

Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.

Improved Characterization of Mixing for Sludge Conditioning, Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244.

Modeling Bacterial Decay Coefficient During SSDML Process, T. R. Sreekrishnan, R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002.

Sludge treatment

Improved Characterization of Mixing for Sludge Conditioning, Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244.

Slurries

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

Soil gas

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Soil pollution

Editor's Note, Thomas L. Theis, EE Nov. 96, p956.

Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.

Washing of Zinc (II) from Contaminated Soil Column, Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185.

Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

Soils

Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, Brian E. Reed, Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50.

Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Microbial Decontamination of Polluted Soil in a Slurry Process, M. J. Geerdink, R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982.

Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

Simulation of Bioventing for Soil and Ground-Water Remediation, Paul D. McClure and Brent E. Sleep, EE Nov. 96, p1003-1012.

Solid waste disposal

Curbside Collection of Yard Waste: I. Estimating Route Time, Jess W. Everett and Shiv Shahi, EE Feb. 96, p107-114.

Curbside Collection of Yard Waste: II. Simulation and Application, Jess W. Everett and Shiv Shahi, EE Feb. 96, p115-121.

Solid waste management

Editor's Note, Thomas L. Theis, EE July 96, p556.

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, Ni-Bin Chang and S. F. Wang, EE July 96, p649-658.

Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, Jess W. Everett and Abhijit R. Modak, EE Sept. 96, p785-792.

Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, Abhijit R. Modak and Jess W. Everett, EE Sept. 96, p793-799.

Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, Ni-Bin Chang, Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131.

Survey to Estimate Residential Solid Waste Generation, Benjamin F. King and Raymond C. Murphy, EE Oct. 96, p897-901.

Solid wastes

Acceleration of Landfill Stabilization Using Leachate Recycle, T. G. Townsend, W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268.

Editor's Note, Thomas L. Theis, EE Apr. 96, p247.

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.

Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, David E. James, Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76.

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Survey to Estimate Residential Solid Waste Generation, Benjamin F. King and Raymond C. Murphy, EE Oct. 96, p897-901.

Solidification

Leaching Characteristics of Solidification System of C_3A/CuO, Cheng-Fang Lin and Hwa-Wey Huang, EE Apr. 96, p323-326.

Stabilization/Solidification of Hazardous Wastes Using Fly Ash, Jafar Parsa, Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940.

Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Solutes

Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.

Solvents

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

Sorption

Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.

Transport and Sorption of Organic Gases in Activated Carbon, Tsair-Fuh Lin, John C. Little and Willliam W. Nazaroff, EE Mar. 96, p169-175.

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Sources

Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, Meng-Dawn Cheng, Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190.

Spatial analysis

Multifactor Spatial Analysis for Landfill Siting, Jehng-Jung Kao and Hung-Yue Lin, EE Oct. 96, p902-908.

Spreadsheets

GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.

Sprinklers

Closure to Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems, Thomas M. Walski, EE Jan. 96, p82.

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Frederick L. Hart, EE Jan. 96, p78-79.

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Ralph E. Wilbur, EE Jan. 96, p80-82.

Stabilization

Acceleration of Landfill Stabilization Using Leachate Recycle, T. G. Townsend, W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268.

Stabilization/Solidification of Hazardous Wastes Using Fly Ash, Jafar Parsa, Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940.

Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Standard deviation

Field Estimation of Standard Deviations for 3D Gaussian Model, An Jin and Shoou-Yuh Chang, EE July 96, p660-662.

Standards

Standardizing Environmental Assessments: A Practical Perspective, J. R. Marsh, K. W. Green and T. Dong, EE Mar. 96, p222-226.

Statistical analysis

Changes in Bacterial Aerosols with Height Above Aeration Tanks, Bernard Sawyer, K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373.

Stabilization/Solidification of Hazardous Wastes Using Fly Ash, Jafar Parsa, Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940.

Steady state

How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.

Hydraulic Residence Time of CSTRs under Unsteady-State Condition, Jian Peng, EE Nov./Dec. 94, p1446-1458.

Steady state models

Editor's Note, Thomas L. Theis, EE Feb. 96, p91.

Use of Fluorspar in Water Fluoridation, Ching-Gang Peng, Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140.

Steam stripping

Editor's Note, Thomas L. Theis, EE Sept. 96, p778.

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Storage tanks

Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, Robert M. Clark, Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821.

Storm sewers

Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Strategic planning

Editorial, EE Jan. 96, p1-2.

Structural design

Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

Structural materials

EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.

Substrates

Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.

How Input Active Biomass Affects Sludge Age and Process Stability, Bruce E. Rittmann, EE Jan. 96, p4-8.

Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, Enrique J. La Motta and Patricio Cascante, EE Mar. 96, p198-204.

Sulfates

Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.

Surface roughness

Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, Josef Daniel Ackerman, Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148.

Surface runoff

Flow Investigation for Landfill Leachate (FILL), Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57.

Surface waters

Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.

Bubbleless Fiber Aerator for Surface Waters, Peter T. Weiss, Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639.

Editor's Note, Thomas L. Theis, EE Oct. 96, p888.

Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Surface-active agents

Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, C. D. Adams, S. Spitzer and R. M. Cowan, EE June 96, p477-483.

Surveys, data collection

Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Survey to Estimate Residential Solid Waste Generation, Benjamin F. King and Raymond C. Murphy, EE Oct. 96, p897-901.

Suspended sediments

Resuspension of Particle Bed by Round Vertical Jet, Jordi Colomer and Harindra J. S. Fernando, EE Sept. 96, p864-869.

Suspension

Adhesion and Aerodynamic Resuspension of Fibrous Particles, Nurtan A. Esmen, EE May 96, p379-383.

Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.

System analysis

Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, Ni-Bin Chang, Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131.

Tanks

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Teaching methods

Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Teamwork

Editorial, Thomas L. Theis, EE Nov. 96, p955.

Technology transfer

Editorial, EE Jan. 96, p1-2.

Temperature

Method for Estimating Boiling Temperatures of Crude Oils, Robert K. Jones, EE Aug. 96, p761-763.

Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.

Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, Heung Yong Ha and Marc A. Anderson, EE Mar. 96, p217-221.

Temperature effects

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Testing

Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Tests

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Theories

Editorial, Thomas L. Theis, EE June 96, p451.

Thermal analysis

Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, Ching-Yuan Chang, Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305.

Thermal factors

Contaminant Transport in Nonisothermal Fractured Porous Media, Mao Bai, Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423.

Thermoelasticity

Contaminant Transport in Nonisothermal Fractured Porous Media, Mao Bai, Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423.

Three-dimensional models
Field Estimation of Standard Deviations for 3D Gaussian Model, An Jin and Shoou-Yuh Chang, EE July 96, p660-662.
Simulation of Bioventing for Soil and Ground-Water Remediation, Paul D. McClure and Brent E. Sleep, EE Nov. 96, p1003-1012.
Weir Aeration: Models and Unit Energy Consumption, Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199.

Time series analysis
Graphical Methods for Assessing Changes in Water Quality, Karen Cozzetto and P. M. Berthouex, EE July 96, p667-668.
Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Titanium
Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, Heung Yong Ha and Marc A. Anderson, EE Mar. 96, p217-221.

Toxic wastes
Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.
Take-Home Toxin Pathway, John Zirschky, EE May 96, p430-436.

Toxicity
Anaerobic Removal of Pentachlorophenol in Presence of Zinc, Peikang Jin and Sanjoy K. Bhattacharya, EE July 96, p590-598.
Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, Mingbo Qu and Sanjoy K. Bhattacharya, EE Aug. 96, p749-756.
Toxicity of Organic Chemicals and Their Mixtures to Activated Sludge Microorganisms, E. Hall, B. Sun, J. Prakash and N. Nirmalakhandan, EE May 96, p424-429.

Tracers
Moment Analysis of Tracer Experiments, Charles N. Haas, EE Dec. 96, p1121-1123.

Traffic congestion
Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, Ni-Bin Chang, Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131.

Transformations
Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, Mathew M. Shurtliff, Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589.
Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, J. B. Hughes and G. F. Parkin, EE Feb. 96, p92-98.
Editor's Note, Thomas L. Theis, EE Feb. 96, p91.
Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, J. B. Hughes and G. F. Parkin, EE Feb. 96, p99-106.

Transient loads
Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, Peter Fox and Makram T. Suidan, EE Jan. 96, p18-24.

Transmission lines
Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Transport phenomena
Analytical Model for Heterogeneous Reactions in Mixed Porous Media, K. Hatfield, D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684.
Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, Laura J. Steinberg, Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349.
Contaminant Transport in Nonisothermal Fractured Porous Media, Mao Bai, Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423.
Diffusive Transport of Organic Colloids from Sediment Beds, K. T. Valsaraj, S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729.
Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, David R. Burris, Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691.
Model of Electrodialysis Process Associated with Organic Adsorption, Thawach Chatchupong and Robert J. Murphy, EE Feb. 96, p154-161.
Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, William P. Johnson, Gary L. Amy and Steven C. Chapra, EE June 95, p438-446.
Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.
Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.
Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813.
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, Jae K. Park, Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806.

Trends
Editorial, Thomas L. Theis, EE Nov. 96, p955.
Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.
Graphical Methods for Assessing Changes in Water Quality, Karen Cozzetto and P. M. Berthouex, EE July 96, p667-668.

Tributaries
Screening-Level Approach for Estimating Contaminant Export from Tributaries, Mark Velleux, Joseph Gailani and Doug Endicott, EE June 96, p503-514.

Trichloroethylene
Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, Mathew M. Shurtliff, Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589.

Trickling filters
Editor's Note, Thomas L. Theis, EE July 96, p556.
Oxygen Utilization of Trickling Filter Biofilms, Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297.
VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.
VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Tropical regions
Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.

Turbidity
Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Turbulence
Aerobic Fluidized Bed Reactor with Internal Media Cleaning, Steven I. Safferman and Paul L. Bishop, EE Apr. 96, p284-291.
Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Turbulent diffusion
Turbulent Transport Effect on Hydrocyclone Performance, Michio Nonaka and Hisami Tashiro, EE Apr. 96, p306-313.

Two-dimensional models
Implicit Scheme for Estuarine Water-Quality Models, Byung-Gi Hwang and Wu-Seng Lung, EE Jan. 96, p63-66.
Modeling the Fate of Copper Discharged to San Francisco Bay, Carl W. Chen, Daniel Leva and Adam Olivieri, EE Oct. 96, p924-934.

Ultraviolet radiation
UV Disinfection of Wastewater: Probabilistic Approach to Design, Frank J. Loge, Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084.

Uncertainty analysis
Hazard Ranking of Landfills Using Fuzzy Composite Programming, Michael E. Hagemeister, David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258.

Undergraduate study
Editor's Note, Thomas L. Theis, EE Sept. 96, p778.
Environmental Engineering Forum, Steven I. Safferman, Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784.

Underground storage
Ground-Water Remediation with Granular Collection System, Richard W. Frieseke and Erik R. Christensen, EE June 96, p546-549.

Uniformity
Risk Variability Due to Uniform Soil Remediation Goals, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621.

Urban areas
Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, Hwey-Lin Sheu, Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109.
Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Utilities
Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, E. C. Kalkani and L. G. Boussiakou, EE Nov. 96, p1042-1045.

Vadose zone
Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Validation
Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.

Vapor pressure
Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, Tjalfe G. Poulsen, Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706.
Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Vegetation
Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.

Vegetative cover
Modeling Impact of Small Kansas Landfills on Underlying Aquifers, Marios Sophocleous, Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077.

Ventilation
Venting Test Analysis Using Jacob's Approximation, Kenneth B. Edwards, EE Mar. 96, p232-234.

Vibration
Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Viscosity
Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, Lakshmi N. Reddi and Hui Wu, EE Dec. 96, p1115-1119.

Volatile organic chemicals
Engineering Model for Fixed-Film Bioscrubbers, Hanneke F. Ockeloen, Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197.
Transport and Sorption of Organic Gases in Activated Carbon, Tsair-Fuh Lin, John C. Little and William W. Nazaroff, EE Mar. 96, p169-175.
VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.
VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.
Waste Using Organic-Clay Complex, Irene M.-C. Lo, EE Sept. 96, p850-855.

Volatility
Evaporation of Petroleum Products from Contaminated Soil, Seon-Hong Kang and Charles S. Oulman, EE May 96, p384-387.

Volatilization
SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, Paula A. Labieniec, David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398.
VOCs in Fixed Film Processes. 1: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.

VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Washing

Washing of Zinc (II) from Contaminated Soil Column, Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185.

Waste disposal

Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, Amy K. Zander, Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760.

Waste management

Editor's Note, Thomas L. Theis, EE Feb. 96, p91.

GIGO: Spreadsheet-Based Simulation for MSW Systems, Robert P. Anex, Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262.

Waste processing facilities

Editor's Note, Thomas L. Theis, EE Nov. 96, p956.

Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

Waste site cleanup

Conceptual Design of Soil Venting Systems, David W. DePaoli, James H. Wilson and Carl O. Thomas, EE May 96, p399-406.

Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, Joel G. Burken and Jerald L. Schnoor, EE Nov. 96, p958-963.

Waste stabilization ponds

Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.

Waste treatment

Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, Joo-Hwa Tay, Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476.

Engineering Models of Combined Chemical and Biological Processes, Jon P. Scott and David F. Ollis, EE Dec. 96, p1110-1114.

Landfill Leachate Treatment by Evaporation, Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131.

Modeling Coliform Mortality in Waste Stabilization Ponds, Aloice W. Mayo, EE Feb. 95, p140-152.

Optimal Waste Decomposition—Landfill as Treatment Process, Robert P. Anex, EE Nov. 96, p964-974.

Waste utilization

EcoBlocks: Nontraditional Use for Mixed Wastepaper, A. M. Springer, Marc Rose and Rich Ryu, EE May 96, p437-444.

Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, Byung R. Kim, Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539.

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Recycling of Spent Abrasive Media in Nonstructural Concrete, Matthew T. Webster and Raymond C. Loehr, EE Sept. 96, p840-849.

Wasteload allocation

Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, Gary G. Rott, EE July 96, p669-671.

Wastewater

Fuzzy Logic Process Control of HPO-AS Process, Mark T. Yin and Michael K. Stenstrom, EE June 96, p484-492.

Modeling Dry Weather Wastewater Flow in Sewer Networks, D. Butler and N. J. D. Graham, EE Feb. 95, p161-173.

Strange Attractors and Chaos in Wastewater Flow, Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137.

Wastewater treatment

Aerobic Fluidized Bed Reactor with Internal Media Cleaning, Steven I. Safferman and Paul L. Bishop, EE Apr. 96, p284-291.

Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, Gary G. Rott, EE July 96, p669-671.

Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, Tin Sang Kwong and Herbert H. P. Fang, EE Jan. 96, p9-17.

Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, Peter Fox and Swamy Ketha, EE Nov. 96, p989-994.

Assessment of AWT Systems in Tampa Bay Area, Richard O. Mines, Jr., EE July 96, p605-611.

Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, Yue-Gen Yan and Joo-Hwa Tay, EE June 96, p550-553.

Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283.

Editor's Note, Thomas L. Theis, EE Dec. 96, p1049.

Environmental Engineering Forum, Takashi Asano and George Tchohanoglous, EE Aug. 95, p548.

Environmental Engineering Forum, Dee Ann Sanders, EE Nov. 96, p957.

Fate of Organics during Column Studies of Soil Aquifer Treatment, David M. Quanrud, Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321.

Feasibility of Fullerene Waste as Carbonaceous Adsorbent, Theodore G. Cleveland, Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238.

Modeling Bacterial Decay Coefficient During SSDML Process, T. R. Sreekrishnan, R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002.

Oxygen Transfer Efficiency in Small Diffusers, Mark A. Tumeo and Tamar J. Stephens, EE Jan. 96, p55-57.

Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, Goutam Banerjee, EE Oct. 96, p941-948.

Postaudit of Upper Mississippi River BOD/DO Model, Wu-Seng Lung, EE May 96, p350-358.

Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487.

UV Disinfection of Wastewater: Probabilistic Approach to Design, Frank J. Loge, Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084.

VOCs in Fixed Film Processes. I: Pilot Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563.

VOCs in Fixed Film Processes. II: Model Studies, Wayne J. Parker, Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570.

Wastewater use

Environmental Engineering Forum, Takashi Asano and George Tchohanoglous, EE Aug. 95, p548.

Water

Transport and Sorption of Water Vapor in Activated Carbon, Tsair-Fuh Lin and William W. Nazaroff, EE Mar. 96, p176-182.

Water distribution

Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, Robert M. Clark, Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821.

Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Water pollution

Simulating Atrazine Transport with HSPF in an Agricultural Watershed, Anne-Marie Laroche, Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630.

Site and Size Optimization of Contaminant Sources in Surface Water Systems, Nikolaos D. Katopodes and Michael Piasecki, EE Oct. 96, p917-923.

Swirl Technology: Enhancement of Design, Evaluation, and Application, Richard Field and Thomas P. O'Connor, EE Aug. 96, p741-748.

Water quality

ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.

Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), Harry Shaw, EE Jan. 96, p79-80.

Editor's Note, Thomas L. Theis, EE May 96, p340.

Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Graphical Methods for Assessing Changes in Water Quality, Karen Cozzetto and P. M. Berthouex, EE July 96, p667-668.

Implicit Scheme for Estuarine Water-Quality Models, Byung-Gi Hwang and Wu-Seng Lung, EE Jan. 96, p63-66.

Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, Robert M. Clark, Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821.

Postaudit of Upper Mississippi River BOD/DO Model, Wu-Seng Lung, EE May 96, p350-358.

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, Robert L. Runkel, EE Sept. 96, p830-832.

Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, Jy S. Wu, Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988.

Water supply systems

Design of Branched-Water-Supply Network on Uneven Terrain, Brian Young, EE July/Aug. 94, p974-980.

Reliability-Based Design of Water-Distribution Systems, Rajesh Gupta and Pramod R. Bhave, EE Jan. 96, p51-54.

Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, Blaise J. Brazos and John T. O'Connor, EE Dec. 96, p1050-1057.

Water treatment

Closure to Disscussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6), Thomas M. Walski, EE Jan. 96, p85-86.

Denitrification Incorporating Microporous Membranes, A. R. Reising and E. D. Schroeder, EE July 96, p599-604.

Design of Class-I Sedimentation Tanks, Prabhata K. Swamee and Aditya Tyagi, EE Jan. 96, p71-73.

Design of Flocculating Baffled Channel, Prabhata K. Swamee, EE Nov. 96, p1046-1048.

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Robert S. Hedin, EE Jan. 96, p83-84.

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Frederick M. Williams and Lloyd R. Stark, EE Jan. 96, p84-85.

Editor's Note, Thomas L. Theis, EE June 96, p452.

Interactions Between Ozone, AOM, and Particles in Water Treatment, Mysore S. Chandrakanth, Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468.

Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, Bruce I. Dvorak, Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874.

Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, Bruce I. Dvorak, Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580.

Surface Water Pretreatment Using Floating Media Filter, C. Visvanathan, D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33.

Water treatment plants

Corrosion Control of Drinking Water Using Tray Aerators, Enrique J. La Motta and Srinivas Chinthakuntla, EE July 96, p640-648.

Expert System for Water Treatment Plant Operation, Xin X. Zhu and Angus R. Simpson, EE Sept. 96, p822-829.

Waterborne diseases

From Cholera to Cancer to Cryptosporidiosis, Daniel A. Okun, EE June 96, p453-458.

Watershed management

ANSWERS-2000: Runoff and Sediment Transport Model, Faycal Bouraoui and Theo A. Dillaha, EE June 96, p493-502.

Weathering

Weathering Rates of Marble in Laboratory and Outdoor Conditions, Srinivas S. Yerrapragada, Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863.

Weirs

Eliminating Backflow in Retrofit BNR Systems, Gregory J. Daviero and Terry W. Sturm, EE Oct. 96, p950-954.

Weir Aeration: Models and Unit Energy Consumption, Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199.

Wells

Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, W. M. Stallard, K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699.

Wetlands

Closure to Disscussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6), Thomas M. Walski, EE Jan. 96, p85-86.

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Robert S. Hedin, EE Jan. 96, p83-84.

Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), Frederick M. Williams and Lloyd R. Stark, EE Jan. 96, p84-85.

Wetting front

Wettability of NAPL-Contaminated Sands, Susan E. Powers, William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896.

Wind

Determination of Reaeration Coefficients: Whole-Lake Approach, Rakesh K. Gelda, Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275.

Writing

Editorial, Thomas L. Theis, EE Sept. 96, p777.

Writing papers

Editorial, Thomas L. Theis, EE Sept. 96, p777.

Zinc

Anaerobic Removal of Pentachlorophenol in Presence of Zinc, Peikang Jin and Sanjoy K. Bhattacharya, EE July 96, p590-598.

Washing of Zinc (II) from Contaminated Soil Column, Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185.

AUTHOR INDEX

Abdesaken, Farzaneh
see Clark, Robert M., EE Sept. 96, p814-821

Ackerman, Josef Daniel
Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials, with Catherine M. Cottrell, C. Ross Ethier, D. Grant Allen and Jan K. Spelt, EE Feb. 96, p141-148

Ackerman, Joseph D.
see Dormon, Jane M., EE Apr. 96, p276-283

Acra, A.
see Shahalam, A. B., EE Dec. 96, p1085-1093

Adams, C. D.
Biodegradation of Nonionic Surfactants and Effects of Oxidative Pretreatment, with S. Spitzer and R. M. Cowan, EE June 96, p477-483

Adams, Craig D.
Treatability of *s*-Triazine Herbicide Metabolites Using Powdered Activated Carbon, with Tammy L. Watson, EE Apr. 96, p327-330

Ahmed, Shabbir
see Khanbilvardi, Reza M., EE Jan. 95, p45-57

Allen, D. Grant
see Ackerman, Josef Daniel, EE Feb. 96, p141-148
see Dormon, Jane M., EE Apr. 96, p276-283

Amy, Gary L.
see Chandrakanth, Mysore S., EE June 96, p459-468
see Johnson, William P., EE June 95, p438-446
see Quanrud, David M., EE Apr. 96, p314-321

Anckner, William H.
see Powers, Susan E., EE Oct. 96, p889-896

Andersland, Orlando B.
Hydraulic Conductivity of Frozen Granular Soils, with David C. Wiggert and Simon H. Davies, EE Mar. 96, p212-216

Anderson, Marc A.
see Ha, Heung Yong, EE Mar. 96, p217-221

Andrews, John F.
see Yin, Mark T., EE Mar. 96, p205-211

Anex, Robert P.
GIGO: Spreadsheet-Based Simulation for MSW Systems, with Renée A. Lawver, Jay R. Lund and George Tchobanoglous, EE Apr. 96, p259-262
Optimal Waste Decomposition—Landfill as Treatment Process, EE Nov. 96, p964-974

Angelbeck, Donald I.
Strange Attractors and Chaos in Wastewater Flow, with Rafic Y. Minkara, EE Jan./Feb. 94, p122-137
disc: Noel E. Bormann and Eric Kincanon, EE Mar. 96, p240
disc: Glenn Fernandez and Jurgen Garbrecht, EE Mar. 96, p240-242
clo: EE Mar. 96, p242-243

Arnold, Robert G.
see Martin, Michael J., EE May 96, p407-415
see Quanrud, David M., EE Apr. 96, p314-321

Asano, Takashi
Environmental Engineering Forum, with George Tchohanoglous, EE Aug. 95, p548
disc: Daniel A. Okun, EE May 96, p446-447
clo: EE May 96, p447

Auer, Martin T.
see Gelda, Rakesh K., EE Apr. 96, p269-275

Ayoub, G. M.
see Shahalam, A. B., EE Dec. 96, p1085-1093

Bai, Mao
Contaminant Transport in Nonisothermal Fractured Porous Media, with Jean-Claude Roegiers and Hilary I. Inyang, EE May 96, p416-423

Bandyopadhyay, Jayanta K.
see Yerrapragada, Srinivas S., EE Sept. 96, p856-863

Banerjee, Goutam
Phenol- and Thiocyanate-Based Wastewater Treatment in RBC Reactor, EE Oct. 96, p941-948

Barnes, Gregory L.
Dissolution of Lead Paint in Aqueous Solutions, with Allen P. Davis, EE July 96, p663-666

Basheer, Imad A.
disc. (of Modeling Coliform Mortality in Waste Stabilization Ponds, by Aloice W. Mayo, EE Feb. 95, p140-152) with Yacoub M. Najjar, EE May 96, p449
disc. (of Operational Strategy for Metal Bioleaching Based on pH Measurements, by Y. G. Du, R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535) with Yacoub M. Najjar, EE Sept. 96, p884
disc. (of Permeable Barriers to Remove Benzene: Candidate Media Evaluation, by J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415) with Yacoub M. Najjar, EE Sept. 96, p885

Bell, John P.
see Parker, Wayne J., EE Sept./Oct. 94, p1266-1283

Ben Aim, R.
see Visvanathan, C., EE Jan. 96, p25-33

Berthouex, P. M.
see Cozzetto, Karen, EE July 96, p667-668

Berthouex, P. Mac
see Parker, Wayne J., EE Sept./Oct. 94, p1266-1283

Bhattacharya, Sanjoy K.
see Jin, Peikang, EE July 96, p590-598
see Qu, Mingbo, EE Aug. 96, p749-756

Bhave, Pramod R.
see Gupta, Rajesh, EE Jan. 96, p51-54
see Johnson, Samee Lai, (disc), EE July/Aug. 94, p974-980

Birchler, Deborah R.
Landfill Leachate Treatment by Evaporation, with Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131
disc: Peter Eisner, Konrad Leonhard and Peter A. Wilderer, EE Feb. 96, p163
clo: EE Feb. 96, p163

Bishop, Paul L.
see Safferman, Steven I., EE Apr. 96, p284-291

Blais, J. F.
see Sreekrishnan, T. R., EE Nov. 96, p995-1002

Bormann, Noel E.
disc. (of Strange Attractors and Chaos in Wastewater Flow, by Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137) with Eric Kincanon, EE Mar. 96, p240

Boulos, Paul F.
see Clark, Robert M., EE Sept. 96, p814-821

Bouraoui, Faycal
ANSWERS-2000: Runoff and Sediment Transport Model, with Theo A. Dillaha, EE June 96, p493-502

Boussiakou, L. G.
see Kalkani, E. C., EE Nov. 96, p1042-1045

Bras, Rafael
see Collins, Anthony G., EE May 96, p339

Brazos, Blaise J.
Seasonal Effects on Generation of Particle-Associated Bacteria During Distribution, with John T. O'Connor, EE Dec. 96, p1050-1057

Brennan, Michael
see Zander, Amy K., EE Aug. 96, p758-760

Budhu, Muniram
see Rasmussen, William O., EE Aug. 96, p764-768

Burken, Joel G.
Phytoremediation: Plant Uptake of Atrazine and Role of Root Exudates, with Jerald L. Schnoor, EE Nov. 96, p958-963

Burris, D. R.
see Hatfield, K., EE Aug. 96, p676-684

Burris, David R.
Laboratory Experiments with Heterogeneous Reactions in Mixed Porous Media, with Kirk Hatfield and N. L. Wolfe, EE Aug. 96, p685-691

Butler, D.
Modeling Dry Weather Wastewater Flow in Sewer Networks, with N. J. D. Graham, EE Feb. 95, p161-173
disc: Martin J. Marriott, EE Aug. 96, p773
clo: EE Aug. 96, p773-774

Cambell, P. G. C.
see Sreekrishnan, T. R., EE Nov. 96, p995-1002

Carlson, Stephen L.
see Kim, Byung R., EE June 96, p532-539

Carriere, Patrick C.
see Reed, Brian E., EE Jan. 96, p48-50

Cascante, Patricio
see La Motta, Enrique J., EE Mar. 96, p198-204

Cha, Daniel K.
see Moschandreas, Demetrios J., EE May 96, p374-378

Chandrakanth, Mysore S.
Interactions Between Ozone, AOM, and Particles in Water Treatment, with Sadasivam Krishnan and Gary L. Amy, EE June 96, p459-468

Chang, Ching-Yuan
Pyrolysis Kinetics of Uncoated Printing and Writing Paper of MSW, with Chao-Hsiung Wu, Jiann-Yuan Hwang, Jyh-Ping Lin, Wan-Fa Yang, Shin-Min Shih, Leo-Wang Chen and Feng-Wen Chang, EE Apr. 96, p299-305

Chang, Feng-Wen
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Chang, H. T.
see Furuya, E. G., EE Oct. 96, p909-916

Chang, Moo Been
Gas-Phase Removal of H_2S and NH_3 with Dielectric Barrier Discharges, with Tian Deng Tseng, EE Jan. 96, p41-46

Chang, Ni-Bin
Managerial Fuzzy Optimal Planning for Solid-Waste Management Systems, with S. F. Wang, EE July 96, p649-658
Solid-Waste Management System Analysis with Noise Control and Traffic Congestion Limitations, with Y. C. Yang and S. F. Wang, EE Feb. 96, p122-131

Chang, Shoou-Yuh
see Jin, An, EE July 96, p660-662

Chanson, Hubert
disc. (of Weir Aeration: Models and Unit Energy Consumption, by Ning H. Tang, N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199), EE Apr. 96, p332-333

Chao, How-Ran
see Sheu, Hwey-Lin, EE Dec. 96, p1101-1109

Chapra, Steven C.
see Gelda, Rakesh K., EE Apr. 96, p269-275
see Johnson, William P., EE June 95, p438-446

Chatchupong, Thawach
Model of Electrodialysis Process Associated with Organic Adsorption, with Robert J. Murphy, EE Feb. 96, p154-161

Chaudhuri, Malay
see Joshi, Arun, EE Aug. 96, p769-771

Chen, Carl W.
Modeling the Fate of Copper Discharged to San Francisco Bay, with Daniel Leva and Adam Olivieri, EE Oct. 96, p924-934

Chen, Leo-Wang
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Cheng, Meng-Dawn
Source Apportionment Study of Nitrogen Species Measured in Southern California in 1987, with Ning Gao and Philip K. Hopke, EE Mar. 96, p183-190

Chiang, Walter
see Qasim, Syed R., EE Sept. 96, p875-878

Chinthakuntla, Srinivas
see La Motta, Enrique J., EE July 96, p640-648

Chirra, Surendra R.
see Yerrapragada, Srinivas S., EE Sept. 96, p856-863

Christensen, Erik R.
see Frieseke, Richard W., EE June 96, p546-549

Christensen, George Lee
see Christensen, Jimmy Roland, EE Mar. 95, p236-244

Christensen, Jimmy Roland
Improved Characterization of Mixing for Sludge Conditioning, with George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244
disc: John T. Novak, EE Sept. 96, p880
clo: EE Sept. 96, p880-881

Clark, Robert M.
Mixing in Distribution System Storage Tanks: Its Effect on Water Quality, with Farzaneh Abdesaken, Paul F. Boulos and Russell E. Mau, EE Sept. 96, p814-821

Clement, T. Prabhakar
Numerical Modeling of Biologically Reactive Transport Near Nutrient Injection Well, with Brian S. Hooker and Rodney S. Skeen, EE Sept. 96, p833-839

Cleveland, Theodore G.
Feasibility of Fullerene Waste as Carbonaceous Adsorbent, with Sanjay Garg and William G. Rixey, EE Mar. 96, p235-238

Collins, Anthony G.
Editorial, with Rafael Bras, EE May 96, p339

Colomer, Jordi
Resuspension of Particle Bed by Round Vertical Jet, with Harindra J. S. Fernando, EE Sept. 96, p864-869

Corapcioglu, M. Yavuz
see Darilek, Glenn T., EE June 96, p540-544
see Stallard, W. M., EE Aug. 96, p692-699

Cottrell, Catherine M.
see Ackerman, Josef Daniel, EE Feb. 96, p141-148
see Dormon, Jane M., EE Apr. 96, p276-283

Cowan, R. M.
see Adams, C. D., EE June 96, p477-483

Cozzetto, Karen
Graphical Methods for Assessing Changes in Water Quality, with P. M. Berthouex, EE July 96, p667-668

Crittenden, John C.
see Liu, Junbiao, EE Aug. 96, p707-713

Crohn, David M.
Planning Biosolids Land Application Rates for Agricultural Systems, EE Dec. 96, p1058-1066

Darby, Jeannie L.
see Loge, Frank J., EE Dec. 96, p1078-1084

Darilek, Glenn T.
Sealing Leaks in Geomembrane Liners Using Electrophoresis, with M. Yavuz Corapcioglu and Albert T. Yeung, EE June 96, p540-544

Daviero, Gregory J.
Eliminating Backflow in Retrofit BNR Systems, with Terry W. Sturm, EE Oct. 96, p950-954

Davies, Simon H.
see Andersland, Orlando B., EE Mar. 96, p212-216

Davis, Allen P.
Washing of Zinc (II) from Contaminated Soil Column, with Inderbir Singh, EE Feb. 95, p174-185
disc: Robert K. Niven and Nasser Khalili, EE Sept. 96, p881-883
clo: EE Sept. 96, p883
see Barnes, Gregory L., EE July 96, p663-666

Dayaye, R.
see Rael, J., EE May 95, p411-415

Demir, Ilham
see Kim, Byung R., EE June 96, p532-539

DePaoli, David W.
Conceptual Design of Soil Venting Systems, with James H. Wilson and Carl O. Thomas, EE May 96, p399-406

Dewey, G. R.
see Sandell, J. F., EE Jan. 96, p34-40

Dillaha, Theo A.
see Bouraoui, Faycal, EE June 96, p493-502

Dong, T.
see Marsh, J. R., EE Mar. 96, p222-226

Dormon, Jane M.
Copper and Copper-Nickel Alloys as Zebra Mussel Antifoulants, with Catherine M. Cottrell, D. Grant Allen, Joseph D. Ackerman and Jan K. Spelt, EE Apr. 96, p276-283

Dorney, John R.
see Wu, Jy S., EE Nov. 96, p983-988

Du, Y. G.
Operational Strategy for Metal Bioleaching Based on pH Measurements, with R. D. Tyagi and T. R. Sreekrishnan, EE July 95, p527-535
disc: Imad A. Basheer and Yacoub M. Najjar, EE Sept. 96, p884
clo: EE Sept. 96, p884-885

Dvorak, Bruce I.
Niche for Steam Stripping in Treating Dilute SOC-Contaminated Waters, with Desmond F. Lawler and Gerald E. Speitel, Jr., EE Sept. 96, p871-874
Selection Among Aqueous and Off-Gas Treatment Technologies for Synthetic Organic Chemicals, with Christopher J. Herbeck, Claire P. Meurer, Desmond F. Lawler and Gerald E. Speitel, Jr., EE July 96, p571-580

Dzombak, David A.
see Labieniec, Paula A., EE May 96, p388-398
see Labieniec, Paula A., EE July 96, p612-621

Earle, J. F. K.
see Townsend, T. G., EE Apr. 96, p263-268

Edwards, Kenneth B.
Venting Test Analysis Using Jacob's Approximation, EE Mar. 96, p232-234

Effler, Steven W.
see Gelda, Rakesh K., EE Apr. 96, p269-275

Eisner, Peter
disc. (of Landfill Leachate Treatment by Evaporation, by Deborah R. Birchler, Mark W. Milke, A. Leigh Marks and Richard G. Luthy, EE Sept./Oct. 94, p1109-1131) with Konrad Leonhard and Peter A. Wilderer, EE Feb. 96, p163

Elenbogen, Gilbert
see Sawyer, Bernard, EE May 96, p368-373

Ellis, J. Hugh
see Lee, Yuh-Ming, EE June 96, p524-531

El-Samra, R.
see Shahalam, A. B., EE Dec. 96, p1085-1093

Endicott, Doug
see Velleux, Mark, EE June 96, p503-514

Esmen, Nurtan A.
Adhesion and Aerodynamic Resuspension of Fibrous Particles, EE May 96, p379-383

Ethier, C. Ross
see Ackerman, Josef Daniel, EE Feb. 96, p141-148

Everett, Jess W.
Curbside Collection of Yard Waste: I. Estimating Route Time, with Shiv Shahi, EE Feb. 96, p107-114
Curbside Collection of Yard Waste: II. Simulation and Application, with Shiv Shahi, EE Feb. 96, p115-121
Optimal Regional Scheduling of Solid Waste Systems. I: Model Development, with Abhijit R. Modak, EE Sept. 96, p785-792
see Modak, Abhijit R., EE Sept. 96, p793-799
see Siddiqui, Muhammad Z., EE June 96, p515-523

Fan, Yi-Chin
see Sheu, Hwey-Lin, EE Dec. 96, p1101-1109

Fang, Herbert H. P.
see Kwong, Tin Sang, EE Jan. 96, p9-17

Fergen, Robert E.
see Huang, Hening, EE May 96, p359-367

Fernandez, Glenn
disc. (of Strange Attractors and Chaos in Wastewater Flow, by Donald I. Angelbeck and Rafic Y. Minkara, EE Jan./Feb. 94, p122-137) with Jurgen Garbrecht, EE Mar. 96, p240-242

Fernando, Harindra J. S.
see Colomer, Jordi, EE Sept. 96, p864-869

Field, Richard
Swirl Technology: Enhancement of Design, Evaluation, and Application, with Thomas P. O'Connor, EE Aug. 96, p741-748

Flora, Joseph R. V.
see Gupta, Munish, EE Nov./Dec. 94, p1639-1645

Fox, Peter
Anaerobic Treatment of High-Sulfate Wastewater and Substrate Interactions with Isopropanol, with Swamy Ketha, EE Nov. 96, p989-994
Shock and Transient Loading on Anaerobic Reactor Coupled with Adsorber, with Makram T. Suidan, EE Jan. 96, p18-24

French, Jonathan A.
Pigging Submarine Outfalls, EE May 95, p396-401
disc: Robert A. Grace, EE Aug. 96, p774-775
clo: EE Aug. 96, p775

Frieseke, Richard W.
Ground-Water Remediation with Granular Collection System, with Erik R. Christensen, EE June 96, p546-549

Furuya, E. G.
Intraparticle Mass Transport Mechanism in Activated Carbon Adsorption of Phenols, with H. T. Chang, Y. Miura, H. Yokomura, S. Tajima, S. Yamashita and K. E. Noll, EE Oct. 96, p909-916

Gallani, Joseph
see Velleux, Mark, EE June 96, p503-514

Gallichand, Jacques
see Laroche, Anne-Marie, EE July 96, p622-630

Gao, Ning
see Cheng, Meng-Dawn, EE Mar. 96, p183-190

Garbrecht, Jurgen
see Fernandez, Glenn, (disc), EE Jan./Feb. 94, p122-137

Garg, Sanjay
see Cleveland, Theodore G., EE Mar. 96, p235-238

Gauri, K. L.
see Yerrapragada, Srinivas S., EE Sept. 96, p856-863

Geerdink, M. J.
Microbial Decontamination of Polluted Soil in a Slurry Process, with R. H. Kleijntjens, M. C. M. van Loosdrecht and K. C. A. M. Luyben, EE Nov. 96, p975-982

Gelda, Rakesh K.
Determination of Reaeration Coefficients: Whole-Lake Approach, with Martin T. Auer, Steven W. Effler, Steven C. Chapra and Michelle L. Storey, EE Apr. 96, p269-275

Gibson, David T.
see Shurtliff, Mathew M., EE July 96, p581-589

Gleason, Phillip J.
see Khanbilvardi, Reza M., EE Jan. 95, p45-57

Gordon, Howard J.
see Quanrud, David M., EE Apr. 96, p314-321

Grace, Robert A.
disc. (of Pigging Submarine Outfalls, by Jonathan A. French, EE May 95, p396-401), EE Aug. 96, p774-775

Grady, C. P. L., Jr.
see Ockeloen, Hanneke F., EE Mar. 96, p191-197

Graham, David W.
see Quanrud, David M., EE Apr. 96, p314-321

Graham, N. J. D.
see Butler, D., EE Feb. 95, p161-173

Green, K. W.
see Marsh, J. R., EE Mar. 96, p222-226

Gulliver, John S.
see Weiss, Peter T., EE July 96, p631-639

Gupta, Ashutosh
see Gupta, Munish, EE Nov./Dec. 94, p1639-1645

Gupta, Munish
ORP Measurement in Anaerobic Systems Using Flow-Through Cell, with Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645
disc: Alan H. Molof, EE Mar. 96, p244-245
clo: EE Mar. 96, p245-246

Gupta, Rajesh
Reliability-Based Design of Water-Distribution Systems, with Pramod R. Bhave, EE Jan. 96, p51-54
see Johnson, Samee Lal, (disc), EE July/Aug. 94, p974-980

Ha, Heung Yong
Photocatalytic Degradation of Formic Acid via Metal-Supported Titania, with Marc A. Anderson, EE Mar. 96, p217-221

Haas, Charles N.
Moment Analysis of Tracer Experiments, EE Dec. 96, p1121-1123

Hagemeister, Michael E.
Hazard Ranking of Landfills Using Fuzzy Composite Programming, with David D. Jones and Wayne E. Woldt, EE Apr. 96, p248-258

Hall, E.
Toxicity of Organic Chemicals and Their Mixtures to Activated Sludge Microorganisms, with B. Sun, J. Prakash and N. Nirmalakhandan, EE May 96, p424-429

Hand, David W.
see Liu, Junbiao, EE Aug. 96, p707-713

Hansen, Jens Aage
see Christensen, Jimmy Roland, EE Mar. 95, p236-244

Hart, Frederick L.
Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), EE Jan. 96, p78-79

Hatfield, K.
Analytical Model for Heterogeneous Reactions in Mixed Porous Media, with D. R. Burris and N. L. Wolfe, EE Aug. 96, p676-684

Hatfield, Kirk
see Burris, David R., EE Aug. 96, p685-691

Hedin, Robert S.
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Nov. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), EE Jan. 96, p83-84

Herbeck, Christopher J.
see Dvorak, Bruce I., EE July 96, p571-580

Hill, Donald
see Hong, Andrew, EE Jan. 96, p58-62

Hinson, Roger K.
Model for Effective Diffusivities in Aerobic Biofilms, with Walter M. Kocher, EE Nov. 96, p1023-1030

Hinton, Steven W.
Oxygen Utilization of Trickling Filter Biofilms, with H. David Stensel, EE Sept./Oct. 94, p1284-1297
disc: B. E. Logan, EE Apr. 96, p333-336
clo: EE Apr. 96, p336

Holman, Robert E.
see Wu, Jy S., EE Nov. 96, p983-988

Hong, Andrew
Modeling Kinetics of Illuminated and Dark Advanced Oxidation Processes, with Mark E. Zappi, Chiang Hai Kuo and Donald Hill, EE Jan. 96, p58-62

Hooker, Brian S.
see Clement, T. Prabhakar, EE Sept. 96, p833-839

Hoopes, John A.
see Park, Jae K., EE Sept. 96, p800-806
see Park, Jae K., EE Sept. 96, p807-813

Hopke, Philip K.
see Cheng, Meng-Dawn, EE Mar. 96, p183-190

Huang, C. P.
see Weng, C. H., EE Nov./Dec. 94, p1470-1487

Huang, Hening
Probabilistic Analysis of Ocean Outfall Mixing Zones, with Robert E. Fergen, John R. Proni and John J. Tsai, EE May 96, p359-367

Huang, Hwa-Wey
see Lin, Cheng-Fang, EE Apr. 96, p323-326

Hughes, J. B.
Concentration Effects on Chlorinated Aliphatic Transformation Kinetics, with G. F. Parkin, EE Feb. 96, p92-98
Individual Biotransformation Rates in Chlorinated Aliphatic Mixtures, with G. F. Parkin, EE Feb. 96, p99-106

Hwang, Byung-Gi
Implicit Scheme for Estuarine Water-Quality Models, with Wu-Seng Lung, EE Jan. 96, p63-66

Hwang, Jiann-Yuan
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Inyang, Hilary I.
see Bai, Mao, EE May 96, p416-423

James, David E.
Interference of Avian Guano in Analyses of Fuel-Contaminated Soils, with Tod E. Johnson and David K. Kreamer, EE Jan. 96, p74-76

Jaynes, John H.
see Yerrapragada, Srinivas S., EE Sept. 96, p856-863

Jewett, David G.
see Martin, Michael J., EE May 96, p407-415

Jeyaseelan, S.
see Tay, Joo-Hwa, EE June 96, p469-476

Jin, An
Field Estimation of Standard Deviations for 3D Gaussian Model, with Shoou-Yuh Chang, EE July 96, p660-662

Jin, Peikang
Anaerobic Removal of Pentachlorophenol in Presence of Zinc, with Sanjoy K. Bhattacharya, EE July 96, p590-598

Johnson, Samee Lal
disc. (of Design of Branched-Water-Supply Network on Uneven Terrain, by Brian Young, EE July/Aug. 94, p974-980) with Rajesh Gupta and Pramod R. Bhave, EE May 96, p448

Johnson, Tod E.
see James, David E., EE Jan. 96, p74-76

Johnson, William P.
Modeling of NOM-Facilitated PAH Transport Through Low-f_{oc} Sediment, with Gary L. Amy and Steven C. Chapra, EE June 95, p438-446
err: EE Apr. 96, p337
see Martin, Michael J., EE May 96, p407-415

Jones, David D.
see Hagemeister, Michael E., EE Apr. 96, p248-258

Jones, Robert K.
Method for Estimating Boiling Temperatures of Crude Oils, EE Aug. 96, p761-763

Joshi, Arun
Removal of Arsenic from Ground Water by Iron Oxide-Coated Sand, with Malay Chaudhuri, EE Aug. 96, p769-771

Kalis, Edward M.
see Kim, Byung R., EE June 96, p532-539

Kalkani, E. C.
Environmental Concerns for High-Voltage Transmission Lines in UNIPEDE Countries, with L. G. Boussiakou, EE Nov. 96, p1042-1045

Kang, Seon-Hong
Evaporation of Petroleum Products from Contaminated Soil, with Charles S. Oulman, EE May 96, p384-387

Kao, Jehng-Jung
Multifactor Spatial Analysis for Landfill Siting, with Hung-Yue Lin, EE Oct. 96, p902-908

Kapoor, Anoop
disc. (of Permeable Barriers to Remove Benzene: Candidate Media Evaluation, by J. Rael, S. Shelton and R. Dayaye, EE May 95, p411-415) with Thiruvenkatachari Viraraghavan, EE Sept. 96, p885-886
disc. (of Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, by C. H. Weng and C. P. Huang, EE Nov./Dec. 94, p1470-1487) with Thiruvenkatachari Viraraghavan, EE Mar. 96, p243

Katopodes, Nikolaos D.
Site and Size Optimization of Contaminant Sources in Surface Water Systems, with Michael Piasecki, EE Oct. 96, p917-923

Ketha, Swamy
see Fox, Peter, EE Nov. 96, p989-994

Khalili, Nasser
see Niven, Robert K., (disc), EE Feb. 95, p174-185

Khanbilvardi, Reza M.
Flow Investigation for Landfill Leachate (FILL), with Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57
disc: Gary Ostroff, EE Jan. 96, p86-87

Khudenko, Boris M.
disc. (of Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, by Wayne J. Parker, Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283), EE Feb. 96, p164-165

Kim, Byung R.
Evaluating Paint-Sludge Chars for Adsorption of Selected Paint Solvents, with Edward M. Kalis, Irving T. Salmeen, Carl W. Kruse, Ilham Demir, Stephen L. Carlson and Massoud Rostam-Abadi, EE June 96, p532-539

Kincanon, Eric
see Bormann, Noel E., (disc), EE Jan./Feb. 94, p122-137

King, Benjamin F.
Survey to Estimate Residential Solid Waste Generation, with Raymond C. Murphy, EE Oct. 96, p897-901

Kleijntjens, R. H.
see Geerdink, M. J., EE Nov. 96, p975-982

Kocher, Walter M.
see Hinson, Roger K., EE Nov. 96, p1023-1030

Koopman, Bea
see Watts, Randall W., EE Dec. 96, p1094-1100

Kreamer, David K.
see James, David E., EE Jan. 96, p74-76

Krishnan, Sadasivam
see Chandrakanth, Mysore S., EE June 96, p459-468

Kruse, Carl W.
see Kim, Byung R., EE June 96, p532-539

Kuo, A. Y.
see Shen, J., EE Nov. 96, p1031-1040

Kuo, Chiang Hai
see Hong, Andrew, EE Jan. 96, p58-62

Kwong, Tin Sang
Anaerobic Degradation of Cornstarch in Wastewater in Two Upflow Reactors, with Herbert H. P. Fang, EE Jan. 96, p9-17

La Motta, Enrique J.
Corrosion Control of Drinking Water Using Tray Aerators, with Srinivas Chinthakuntla, EE July 96, p640-648
Substrate Consumption Kinetics in Anaerobic Biofilm Fluidized Bed Reactor, with Patricio Cascante, EE Mar. 96, p198-204

Labieniec, Paula A.
Risk Variability Due to Uniform Soil Remediation Goals, with David A. Dzombak and Robert L. Siegrist, EE July 96, p612-621
SoilRisk: Risk Assessment Model for Organic Contaminants in Soil, with David A. Dzombak and Robert L. Siegrist, EE May 96, p388-398

Lagacé, Robert
see Laroche, Anne-Marie, EE July 96, p622-630

Laroche, Anne-Marie
Simulating Atrazine Transport with HSPF in an Agricultural Watershed, with Jacques Gallichand, Robert Lagacé and Alain Pesant, EE July 96, p622-630

Lawler, Desmond F.
see Dvorak, Bruce I., EE July 96, p571-580
see Dvorak, Bruce I., EE Sept. 96, p871-874

Lawver, Renée A.
see Anex, Robert P., EE Apr. 96, p259-262

Lee, Hyung-Jib
see Townsend, T. G., EE Apr. 96, p263-268

Lee, Wen-Jhy
see Sheu, Hwey-Lin, EE Dec. 96, p1101-1109

Lee, Yuh-Ming
Comparison of Algorithms for Nonlinear Integer Optimization: Application to Monitoring Network Design, with J. Hugh Ellis, EE June 96, p524-531

Leonhard, Konrad
see Eisner, Peter, (disc), EE Sept./Oct. 94, p1109-1131

Leva, Daniel
see Chen, Carl W., EE Oct. 96, p924-934

Li, S.
see Yerrapragada, Srinivas S., EE Sept. 96, p856-863

Lin, Cheng-Fang
Leaching Characteristics of Solidification System of C_3A/CuO, with Hwa-Wey Huang, EE Apr. 96, p323-326

Lin, Hung-Yue
see Kao, Jehng-Jung, EE Oct. 96, p902-908

Lin, Jyh-Ping
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Lin, Tsair-Fuh
Transport and Sorption of Organic Gases in Activated Carbon, with John C. Little and Williliam W. Nazaroff, EE Mar. 96, p169-175
Transport and Sorption of Water Vapor in Activated Carbon, with William W. Nazaroff, EE Mar. 96, p176-182

Little, John C.
see Lin, Tsair-Fuh, EE Mar. 96, p169-175

Liu, Junbiao
Regeneration of Adsorbents Using Heterogeneous Photocatalytic Oxidation, with John C. Crittenden, David W. Hand and David L. Perram, EE Aug. 96, p707-713

Lo, Irene M.-C.
Waste Using Organic-Clay Complex, EE Sept. 96, p850-855

Loehr, Raymond C.
see Webster, Matthew T., EE Aug. 96, p714-721
see Webster, Matthew T., EE Sept. 96, p840-849

Logan, B. E.
disc. (of Oxygen Utilization of Trickling Filter Biofilms, by Steven W. Hinton and H. David Stensel, EE Sept./Oct. 94, p1284-1297), EE Apr. 96, p333-336

Logan, Bruce
Editorial, EE Mar. 96, p167

Logan, Bruce E.
see Martin, Michael J., EE May 96, p407-415

Loge, Frank J.
UV Disinfection of Wastewater: Probabilistic Approach to Design, with Jeannie L. Darby and George Tchobanoglous, EE Dec. 96, p1078-1084

Lue-Hing, Cecil
see Sawyer, Bernard, EE May 96, p368-373

Lund, Jay R.
see Anex, Robert P., EE Apr. 96, p259-262

Lung, Wu-Seng
Postaudit of Upper Mississippi River BOD/DO Model, EE May 96, p350-358
see Hwang, Byung-Gi, EE Jan. 96, p63-66

Luthy, Richard G.
see Birchler, Deborah R., EE Sept./Oct. 94, p1109-1131

Luyben, K. C. A. M.
see Geerdink, M. J., EE Nov. 96, p975-982

Lyn, D. A.
Asymptotic Analysis of Intraparticle Diffusion in GAC Batch Reactors, EE Nov. 96, p1013-1022

Mariñas, Benito J.
Modeling Concentration-Polarization in Reverse Osmosis Spiral-Wound Elements, with Richard I. Urama, EE Apr. 96, p292-298

Marks, A. Leigh
see Birchler, Deborah R., EE Sept./Oct. 94, p1109-1131

Marriott, Martin J.
disc. (of Modeling Dry Weather Wastewater Flow in Sewer Networks, by D. Butler and N. J. D. Graham, EE Feb. 95, p161-173), EE Aug. 96, p773

Marsh, J. R.
Standardizing Environmental Assessments: A Practical Perspective, with K. W. Green and T. Dong, EE Mar. 96, p222-226

Martin, Michael J.
Scaling Bacterial Filtration Rates in Different Sized Porous Media, with Bruce E. Logan, William P. Johnson, David G. Jewett and Robert G. Arnold, EE May 96, p407-415

Massmann, Joel W.
see Poulsen, Tjalfe G., EE Aug. 96, p700-706

Mau, Russell E.
see Clark, Robert M., EE Sept. 96, p814-821

Mayo, Aloice W.
Modeling Coliform Mortality in Waste Stabilization Ponds, EE Feb. 95, p140-152
disc: Imad A. Basheer and Yacoub M. Najjar, EE May 96, p449

McClure, Paul D.
Simulation of Bioventing for Soil and Ground-Water Remediation, with Brent E. Sleep, EE Nov. 96, p1003-1012

Melcer, Henryk
see Parker, Wayne J., EE Sept./Oct. 94, p1266-1283
see Parker, Wayne J., EE July 96, p557-563
see Parker, Wayne J., EE July 96, p564-570

Meunier, N.
see Sreekrishnan, T. R., EE Nov. 96, p995-1002

Meurer, Claire P.
see Dvorak, Bruce I., EE July 96, p571-580

Milke, Mark W.
see Birchler, Deborah R., EE Sept./Oct. 94, p1109-1131

Miller, Rex
see Qasim, Syed R., EE Sept. 96, p875-878

Miller, W. L.
see Townsend, T. G., EE Apr. 96, p263-268

Mines, Richard O., Jr.
Assessment of AWT Systems in Tampa Bay Area, EE July 96, p605-611

Minkara, Rafic Y.
see Angelbeck, Donald I., EE Jan./Feb. 94, p122-137

Miura, Y.
see Furuya, E. G., EE Oct. 96, p909-916

Modak, Abhijit R.
Optimal Regional Scheduling of Solid Waste Systems. II: Model Solutions, with Jess W. Everett, EE Sept. 96, p793-799
see Everett, Jess W., EE Sept. 96, p785-792

Moldrup, Per
see Poulsen, Tjalfe G., EE Aug. 96, p700-706

Molof, Alan H.
disc. (of ORP Measurement in Anaerobic Systems Using Flow-Through Cell, by Munish Gupta, Ashutosh Gupta, Makram T. Suidan, Gregory D. Sayles and Joseph R. V. Flora, EE Nov./Dec. 94, p1639-1645), EE Mar. 96, p244-245

Monteith, Hugh D.
see Parker, Wayne J., EE Sept./Oct. 94, p1266-1283
see Parker, Wayne J., EE July 96, p557-563
see Parker, Wayne J., EE July 96, p564-570

Moore, Roderic
see Reed, Brian E., EE Jan. 96, p48-50

Moschandreas, Demetrios J.
Measurement of Indoor Bioaerosol Levels by a Direct Counting Method, with Daniel K. Cha and Jon Qian, EE May 96, p374-378

Munson-McGee, Stuart H.
see Parsa, Jafar, EE Oct. 96, p935-940

Murphy, Raymond C.
see King, Benjamin F., EE Oct. 96, p897-901

Murphy, Robert J.
see Chatchupong, Thawach, EE Feb. 96, p154-161

Najjar, Yacoub M.
see Basheer, Imad A., (disc), EE Feb. 95, p140-152
see Basheer, Imad A., (disc), EE July 95, p527-535
see Basheer, Imad A., (disc), EE May 95, p411-415

Nazaroff, William W.
see Lin, Tsair-Fuh, EE Mar. 96, p176-182

Nazaroff, William W.
see Lin, Tsair-Fuh, EE Mar. 96, p169-175

Nirmalakhandan, N.
see Hall, E., EE May 96, p424-429
see Tang, Ning H., EE Feb. 95, p196-199

Niven, Robert K.
disc. (of Washing of Zinc (II) from Contaminated Soil Column, by Allen P. Davis and Inderbir Singh, EE Feb. 95, p174-185) with Nasser Khalili, EE Sept. 96, p881-883

Noll, K. E.
see Furuya, E. G., EE Oct. 96, p909-916

Nonaka, Michio
Turbulent Transport Effect on Hydrocyclone Performance, with Hisami Tashiro, EE Apr. 96, p306-313

Novak, John T.
disc. (of Improved Characterization of Mixing for Sludge Conditioning, by Jimmy Roland Christensen, George Lee Christensen and Jens Aage Hansen, EE Mar. 95, p236-244), EE Sept. 96, p880

Oakley, Bryan T.
see Weiss, Peter T., EE July 96, p631-639

O'Brien, Parnell
see Sawyer, Bernard, EE May 96, p368-373

Ockeloen, Hanneke F.
Engineering Model for Fixed-Film Bioscrubbers, with Thomas J. Overcamp and C. P. L. Grady, Jr., EE Mar. 96, p191-197

O'Connor, John T.
see Brazos, Blaise J., EE Dec. 96, p1050-1057

O'Connor, Thomas P.
see Field, Richard, EE Aug. 96, p741-748

Ojha, C. S. P.
Inappropriate Parameterization in Biofilm-Process Design Curves, with Rajnish Shrivastava, EE Jan. 96, p67-70

Okun, Daniel A.
From Cholera to Cancer to Cryptosporidiosis, EE June 96, p453-458
disc. (of Environmental Engineering Forum, by Takashi Asano and George Tchobanoglous, EE Aug. 95, p548), EE May 96, p446-447

Olivieri, Adam
see Chen, Carl W., EE Oct. 96, p924-934

Ollis, David F.
see Scott, Jon P., EE Dec. 96, p1110-1114

Ongerth, Jerry E.
Electrophoretic Mobility of *Cryptosporidium* Oocysts and *Giardia* Cysts, with Julie Proctor Pecoraro, EE Mar. 96, p228-231

Orlob, Gerald T.
see Shrestha, Parmeshwar L., EE Aug. 96, p730-740

Ostroff, Gary
disc. (of Flow Investigation for Landfill Leachate (FILL), by Reza M. Khanbilvardi, Shabbir Ahmed and Phillip J. Gleason, EE Jan. 95, p45-57), EE Jan. 96, p86-87

Oulman, Charles S.
see Kang, Seon-Hong, EE May 96, p384-387

Overcamp, Thomas J.
see Ockeloen, Hanneke F., EE Mar. 96, p191-197

Park, Jae K.
Transport of Aqueous Organic Compounds in Thermoplastic Geomembranes. II: Mass Flux Estimates and Practical Implications, with Joni P. Sakti and John A. Hoopes, EE Sept. 96, p807-813
Transport of Organic Compounds in Thermoplastic Geomembranes. I: Mathematical Model, with Joni P. Sakti and John A. Hoopes, EE Sept. 96, p800-806

Parker, Wayne J.
Comprehensive Fate Model for Metals in Municipal Wastewater Treatment, with Hugh D. Monteith, John P. Bell, Henryk Melcer and P. Mac Berthouex, EE Sept./Oct. 94, p1266-1283
disc: Boris M. Khudenko, EE Feb. 96, p164-165
clo: EE Feb. 96, p165
VOCs in Fixed Film Processes. I: Pilot Studies, with Hugh D. Monteith and Henryk Melcer, EE July 96, p557-563
VOCs in Fixed Film Processes. II: Model Studies, with Hugh D. Monteith and Henryk Melcer, EE July 96, p564-570

Parkin, G. F.
see Hughes, J. B., EE Feb. 96, p92-98
see Hughes, J. B., EE Feb. 96, p99-106

Parkin, Gene F.
see Shurtliff, Mathew M., EE July 96, p581-589

Parsa, Jafar
Stabilization/Solidification of Hazardous Wastes Using Fly Ash, with Stuart H. Munson-McGee and Robert Steiner, EE Oct. 96, p935-940

Pecoraro, Julie Proctor
see Ongerth, Jerry E., EE Mar. 96, p228-231

Peng, Ching-Gang
Use of Fluorspar in Water Fluoridation, with Jian Qi and Alan J. Rubin, EE Feb. 96, p132-140

Peng, Jian
Hydraulic Residence Time of CSTRs under Unsteady-State Condition, EE Nov./Dec. 94, p1446-1458
disc: Ravindra M. Srivastava, EE Jan. 96, p87-88
clo: EE Jan. 96, p89

Perram, David L.
see Liu, Junbiao, EE Aug. 96, p707-713

Pesant, Alain
see Laroche, Anne-Marie, EE July 96, p622-630

Plasecki, Michael
see Katopodes, Nikolaos D., EE Oct. 96, p917-923

Poulsen, Tjalfe G.
Effects of Vapor Extraction on Contaminant Flux to Atmosphere and Ground Water, with Joel W. Massmann and Per Moldrup, EE Aug. 96, p700-706

Powers, Susan E.
Wettability of NAPL-Contaminated Sands, with William H. Anckner and Thomas F. Seacord, EE Oct. 96, p889-896

Prakash, J.
see Hall, E., EE May 96, p424-429

Proni, John R.
see Huang, Hening, EE May 96, p359-367

Qasim, Syed R.
Effect of Biodegradable Carbon on Biological Phosphorus Removal, with Walter Chiang, Guang Zhu and Rex Miller, EE Sept. 96, p875-878

Qi, Jian
see Peng, Ching-Gang, EE Feb. 96, p132-140

Qian, Jon
see Moschandreas, Demetrios J., EE May 96, p374-378

Qu, Mingbo
Degradation and Toxic Effects of Acrylic Acid on Anaerobic Systems, with Sanjoy K. Bhattacharya, EE Aug. 96, p749-756

Quanrud, David M.
Fate of Organics during Column Studies of Soil Aquifer Treatment, with Robert G. Arnold, L. G. Wilson, Howard J. Gordon, David W. Graham and Gary L. Amy, EE Apr. 96, p314-321

Rael, J.
Permeable Barriers to Remove Benzene: Candidate Media Evaluation, with S. Shelton and R. Dayaye, EE May 95, p411-415
disc: Imad A. Basheer and Yacoub M. Najjar, EE Sept. 96, p885
disc: Anoop Kapoor and Thiruvenkatachari Viraraghavan, EE Sept. 96, p885-886

Rao, K. C.
see Sawyer, Bernard, EE May 96, p368-373

Rasmussen, William O.
Electrode Placement for Subsurface Electric Field Generation, with Muniram Budhu, EE Aug. 96, p764-768

Reckhow, Kenneth H.
see Steinberg, Laura J., EE May 96, p341-349

Reddi, Lakshmi N.
Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands, with Hui Wu, EE Dec. 96, p1115-1119

Reed, Brian E.
Flushing of a Pb(II) Contaminated Soil Using HCl, EDTA, and $CaCl_2$, with Patrick C. Carriere and Roderic Moore, EE Jan. 96, p48-50

Reible, D. D.
see Valsaraj, K. T., EE Aug. 96, p722-729

Reising, A. R.
Denitrification Incorporating Microporous Membranes, with E. D. Schroeder, EE July 96, p599-604

Rich, Linvil G.
Modification of Design Approach to Aerated Lagoons, EE Feb. 96, p149-153

Rittmann, Bruce E.
How Input Active Biomass Affects Sludge Age and Process Stability, EE Jan. 96, p4-8

Rixey, William G.
see Cleveland, Theodore G., EE Mar. 96, p235-238

Roegiers, Jean-Claude
see Bai, Mao, EE May 96, p416-423

Rose, Marc
see Springer, A. M., EE May 96, p437-444

Rostam-Abadi, Massoud
see Kim, Byung R., EE June 96, p532-539

Rott, Gary G.
Alternative to $CBOD_5$-Based Load Allocation Studies on Low-Dilution-Ratio Streams, EE July 96, p669-671

Rubin, Alan J.
see Peng, Ching-Gang, EE Feb. 96, p132-140

Runkel, Robert L.
Solution of the Advection-Dispersion Equation: Continuous Load of Finite Duration, EE Sept. 96, p830-832

Ryu, Rich
see Springer, A. M., EE May 96, p437-444

Safferman, Steven I.
Aerobic Fluidized Bed Reactor with Internal Media Cleaning, with Paul L. Bishop, EE Apr. 96, p284-291
Environmental Engineering Forum, with Vivek P. Utgikar and Sarwan S. Sandhu, EE Sept. 96, p779-784

Sakti, Joni P.
see Park, Jae K., EE Sept. 96, p800-806
see Park, Jae K., EE Sept. 96, p807-813

Salmeen, Irving T.
see Kim, Byung R., EE June 96, p532-539

Sandell, J. F.
Evaluation of Lead-Bearing Phases in Municipal Waste Combustor Fly Ash, with G. R. Dewey, L. L. Sutter and J. A. Willemin, EE Jan. 96, p34-40

Sanders, Dee Ann
Environmental Engineering Forum, EE Nov. 96, p957

Sandhu, Sarwan S.
see Safferman, Steven I., EE Sept. 96, p779-784

Sawyer, Bernard
Changes in Bacterial Aerosols with Height Above Aeration Tanks, with K. C. Rao, Parnell O'Brien, Gilbert Elenbogen, David R. Zenz and Cecil Lue-Hing, EE May 96, p368-373

Sayles, Gregory D.
see Gupta, Munish, EE Nov./Dec. 94, p1639-1645

Schnoor, Jerald L.
see Burken, Joel G., EE Nov. 96, p958-963

Schroeder, E. D.
see Reising, A. R., EE July 96, p599-604

Scott, Jon P.
Engineering Models of Combined Chemical and Biological Processes, with David F. Ollis, EE Dec. 96, p1110-1114

Seacord, Thomas F.
see Powers, Susan E., EE Oct. 96, p889-896

Semmens, Michael J.
see Weiss, Peter T., EE July 96, p631-639

Shahalam, A. B.
Parametric Sensitivity of Comprehensive Model of Aerobic Fluidized-Bed Biofilm Process, with R. El-Samra, G. M. Ayoub and A. Acra, EE Dec. 96, p1085-1093

Shahi, Shiv
see Everett, Jess W., EE Feb. 96, p107-114
see Everett, Jess W., EE Feb. 96, p115-121

Shaw, Harry
Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), EE Jan. 96, p79-80

Shelton, S.
see Racl, J., EE May 95, p411-415

Shen, J.
Inverse Estimation of Parameters for an Estuarine Eutrophication Model, with A. Y. Kuo, EE Nov. 96, p1031-1040

Sheu, Hwey-Lin
Dry Deposition of Polycyclic Aromatic Hydrocarbons in Ambient Air, with Wen-Jhy Lee, Chun-Ching Su, How-Ran Chao and Yi-Chin Fan, EE Dec. 96, p1101-1109

Shi, N.
see Stallard, W. M., EE Aug. 96, p692-699

Shih, Shin-Min
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Show, Kuan-Yeow
see Tay, Joo-Hwa, EE June 96, p469-476

Shrestha, Parmeshwar L.
Multiphase Distribution of Cohesive Sediments and Heavy Metals in Estuarine Systems, with Gerald T. Orlob, EE Aug. 96, p730-740

Shrivastava, Rajnish
see Ojha, C. S. P., EE Jan. 96, p67-70

Shurtliff, Mathew M.
Biotransformation of Trichloroethylene by a Phenol-Induced Mixed Culture, with Gene F. Parkin, Lenly J. Weathers and David T. Gibson, EE July 96, p581-589

Siddiqui, Muhammad Z.
Landfill Siting Using Geographic Information Systems: A Demonstration, with Jess W. Everett and Baxter E. Vieux, EE June 96, p515-523

Siegrist, Robert L.
see Labieniec, Paula A., EE May 96, p388-398
see Labieniec, Paula A., EE July 96, p612-621

Simpson, Angus R.
see Zhu, Xin X., EE Sept. 96, p822-829

Singh, Inderbir
see Davis, Allen P., EE Feb. 95, p174-185

Skeen, Rodney S.
see Clement, T. Prabhakar, EE Sept. 96, p833-839

Sleep, Brent E.
see McClure, Paul D., EE Nov. 96, p1003-1012

Sojitra, I.
see Valsaraj, K. T., EE Aug. 96, p722-729

Sophocleous, Marios
Modeling Impact of Small Kansas Landfills on Underlying Aquifers, with Nicholas G. Stadnyk and Miles Stotts, EE Dec. 96, p1067-1077

Speece, R. E.
see Tang, Ning H., EE Feb. 95, p196-199

Speitel, Gerald E., Jr.
see Dvorak, Bruce I., EE July 96, p571-580
see Dvorak, Bruce I., EE Sept. 96, p871-874

Spelt, Jan K.
see Ackerman, Josef Daniel, EE Feb. 96, p141-148
see Dormon, Jane M., EE Apr. 96, p276-283

Spitzer, S.
see Adams, C. D., EE June 96, p477-483

Springer, A. M.
EcoBlocks: Nontraditional Use for Mixed Wastepaper, with Marc Rose and Rich Ryu, EE May 96, p437-444

Sreekrishnan, T. R.
Modeling Bacterial Decay Coefficient During SSDML Process, with R. D. Tyagi, J. F. Blais, N. Meunier and P. G. C. Cambell, EE Nov. 96, p995-1002
see Du, Y. G., EE July 95, p527-535

Srivastava, Ravindra M.
disc. (of Hydraulic Residence Time of CSTRs under Unsteady-State Condition, by Jian Peng, EE Nov./Dec. 94, p1446-1458), EE Jan. 96, p87-88

Stadnyk, Nicholas G.
see Sophocleous, Marios, EE Dec. 96, p1067-1077

Stallard, W. M.
Two-Dimensional Hydraulics of Recirculating Ground-Water Remediation Wells in Unconfined Aquifers, with K. C. Wu, N. Shi and M. Yavuz Corapcioglu, EE Aug. 96, p692-699

Stark, Lloyd R.
see Williams, Frederick M., EE Jan. 96, p84-85

Steinberg, Laura J.
Bayesian Model for Fate and Transport of Polychlorinated Biphenyl in Upper Hudson River, with Kenneth H. Reckhow and Robert L. Wolpert, EE May 96, p341-349

Steiner, Robert
see Parsa, Jafar, EE Oct. 96, p935-940

Stensel, H. David
see Hinton, Steven W., EE Sept./Oct. 94, p1284-1297

Stenstrom, Michael K.
see Yin, Mark T., EE June 96, p484-492

Stenstrom, Michael K.
see Yin, Mark T., EE Mar. 96, p205-211

Stephens, Tamar J.
see Tumeo, Mark A., EE Jan. 96, p55-57

Storey, Michelle L.
see Gelda, Rakesh K., EE Apr. 96, p269-275

Stotts, Miles
see Sophocleous, Marios, EE Dec. 96, p1067-1077

Sturm, Terry W.
see Daviero, Gregory J., EE Oct. 96, p950-954

Su, Chun-Ching
see Sheu, Hwey-Lin, EE Dec. 96, p1101-1109

Suidan, Makram T.
see Fox, Peter, EE Jan. 96, p18-24
see Gupta, Munish, EE Nov./Dec. 94, p1639-1645

Sun, B.
see Hall, E., EE May 96, p424-429

Sutter, L. L.
see Sandell, J. F., EE Jan. 96, p34-40

Svoronos, Spyros A.
see Watts, Randall W., EE Dec. 96, p1094-1100

Swamee, Prabhata K.
Design of Class-I Sedimentation Tanks, with Aditya Tyagi, EE Jan. 96, p71-73
Design of Flocculating Baffled Channel, EE Nov. 96, p1046-1048

Tajima, S.
see Furuya, E. G., EE Oct. 96, p909-916

Tang, Ning H.
Weir Aeration: Models and Unit Energy Consumption, with N. Nirmalakhandan and R. E. Speece, EE Feb. 95, p196-199
err: EE Aug. 95, p605
disc: Hubert Chanson, EE Apr. 96, p332-333
clo: EE Apr. 96, p333

Tashiro, Hisami
see Nonaka, Michio, EE Apr. 96, p306-313

Tay, Joo-Hwa
Effects of Media Characteristics on Performance of Upflow Anaerobic Packed-Bed Reactors, with Kuan-Yeow Show and S. Jeyaseelan, EE June 96, p469-476
see Yan, Yue-Gen, EE June 96, p550-553

Tchobanoglous, George
see Anex, Robert P., EE Apr. 96, p259-262
see Loge, Frank J., EE Dec. 96, p1078-1084

Tchobanoglous, George
see Asano, Takashi, EE Aug. 95, p548

Theis, Thomas L.
Editorial, EE June 96, p451
Editor's Note, EE Jan. 96, p3
see Wiesner, Mark R., EE Feb. 96, p89-90
see Zander, Amy K., EE Aug. 96, p758-760

Thibodeaux, L. J.
see Valsaraj, K. T., EE Aug. 96, p722-729

Thomas, Carl O.
see DePaoli, David W., EE May 96, p399-406

Townsend, T. G.
Acceleration of Landfill Stabilization Using Leachate Recycle, with W. L. Miller, Hyung-Jib Lee and J. F. K. Earle, EE Apr. 96, p263-268

Tsai, John J.
see Huang, Hening, EE May 96, p359-367

Tseng, Tian Deng
see Chang, Moo Been, EE Jan. 96, p41-46

Tumeo, Mark A.
Oxygen Transfer Efficiency in Small Diffusers, with Tamar J. Stephens, EE Jan. 96, p55-57

Tyagi, Aditya
see Swamee, Prabhata K., EE Jan. 96, p71-73

Tyagi, R. D.
see Du, Y. G., EE July 95, p527-535
see Sreekrishnan, T. R., EE Nov. 96, p995-1002

Urama, Richard I.
see Mariñas, Benito J., EE Apr. 96, p292-298

Utgikar, Vivek P.
see Safferman, Steven I., EE Sept. 96, p779-784

Valsaraj, K. T.
Diffusive Transport of Organic Colloids from Sediment Beds, with S. Verma, I. Sojitra, D. D. Reible and L. J. Thibodeaux, EE Aug. 96, p722-729

van Loosdrecht, M. C. M.
see Geerdink, M. J., EE Nov. 96, p975-982

Velleux, Mark
Screening-Level Approach for Estimating Contaminant Export from Tributaries, with Joseph Gailani and Doug Endicott, EE June 96, p503-514

Verma, S.
see Valsaraj, K. T., EE Aug. 96, p722-729

Vieux, Baxter E.
see Siddiqui, Muhammad Z., EE June 96, p515-523

Viraraghavan, Thiruvenkatachari
see Kapoor, Anoop, (disc), EE Nov./Dec. 94, p1470-1487
see Kapoor, Anoop, (disc), EE May 95, p411-415

Visvanathan, C.
Surface Water Pretreatment Using Floating Media Filter, with D. R. I. B. Werellagama and R. Ben Aim, EE Jan. 96, p25-33

Walski, Thomas M.
Closure to Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems, EE Jan. 96, p82
Closure to Disscussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6), EE Jan. 96, p85-86

Wang, S. F.
see Chang, Ni-Bin, EE Feb. 96, p122-131
see Chang, Ni-Bin, EE July 96, p649-658

Watson, Tammy L.
see Adams, Craig D., EE Apr. 96, p327-330

Watts, Randall W.
One-Dimensional Clarifier Model with Sludge Blanket Heights, with Spyros A. Svoronos and Ben Koopman, EE Dec. 96, p1094-1100

Weathers, Lenly J.
see Shurtliff, Mathew M., EE July 96, p581-589

Webster, Matthew T.
Long-Term Leaching of Metals from Concrete Products, with Raymond C. Loehr, EE Aug. 96, p714-721
Recycling of Spent Abrasive Media in Nonstructural Concrete, with Raymond C. Loehr, EE Sept. 96, p840-849

Weiss, Peter T.
Bubbleless Fiber Aerator for Surface Waters, with Bryan T. Oakley, John S. Gulliver and Michael J. Semmens, EE July 96, p631-639

Weng, C. H.
Treatment of Metal Industrial Wastewater by Fly Ash and Cement Fixation, with C. P. Huang, EE Nov./Dec. 94, p1470-1487
disc: Anoop Kapoor and Thiruvenkatachari Viraraghavan, EE Mar. 96, p243
clo: EE Mar. 96, p243-244

Werellagama, D. R. I. B.
see Visvanathan, C., EE Jan. 96, p25-33

Wiesner, Mark R.
Editorial, with Thomas L. Theis, EE Feb. 96, p89-90

Wiggert, David C.
see Andersland, Orlando B., EE Mar. 96, p212-216

Wilbur, Ralph E.
Discussion of Environmental Engineering Forum: Backflow Prevention and Water Quality in Residential Sprinkler Systems (September/October 1993, Vol. 119, No. 5, by Thomas M. Walski (Environmental Engineering Forum)), EE Jan. 96, p80-82

Wilderer, Peter A.
see Eisner, Peter, (disc), EE Sept./Oct. 94, p1109-1131

Willemin, J. A.
see Sandell, J. F., EE Jan. 96, p34-40

Williams, Frederick M.
Discussion of Environmental Engineering Forum: Long-Term Effects of Wetland Treatment of Mine Drainage (November/December 1993, Vol. 119, No. 6, by Thomas M. Walski (Environmental Engineering Forum)), with Lloyd R. Stark, EE Jan. 96, p84-85

Wilson, James H.
see DePaoli, David W., EE May 96, p399-406

Wilson, L. G.
see Quanrud, David M., EE Apr. 96, p314-321

Woldt, Wayne E.
see Hagemeister, Michael E., EE Apr. 96, p248-258

Wolfe, N. L.
see Burris, David R., EE Aug. 96, p685-691
see Hatfield, K., EE Aug. 96, p676-684

Wolpert, Robert L.
see Steinberg, Laura J., EE May 96, p341-349

Wu, Chao-Hsiung
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Wu, Hui
see Reddi, Lakshmi N., EE Dec. 96, p1115-1119

Wu, Jy S.
Systematic Evaluation of Pollutant Removal by Urban Wet Detention Ponds, with Robert E. Holman and John R. Dorney, EE Nov. 96, p983-988

Wu, K. C.
see Stallard, W. M., EE Aug. 96, p692-699

Yamashita, S.
see Furuya, E. G., EE Oct. 96, p909-916

Yan, Yue-Gen
Brewery Wastewater Treatment in UASB Reactor at Ambient Temperature, with Joo-Hwa Tay, EE June 96, p550-553

Yang, Wan-Fa
see Chang, Ching-Yuan, EE Apr. 96, p299-305

Yang, Y. C.
see Chang, Ni-Bin, EE Feb. 96, p122-131

Yerrapragada, Srinivas S.
Weathering Rates of Marble in Laboratory and Outdoor Conditions, with Surendra R. Chirra, John H. Jaynes, S. Li, Jayanta K. Bandyopadhyay and K. L. Gauri, EE Sept. 96, p856-863

Yeung, Albert T.
see Darilek, Glenn T., EE June 96, p540-544

Yin, Mark T.
Fuzzy Logic Process Control of HPO-AS Process, with Michael K. Stenstrom, EE June 96, p484-492
Optimum Simulation and Control of Fixed-Speed Pumping Stations, with John F. Andrews and Michael K. Stenstrom, EE Mar. 96, p205-211

Yokomura, H.
see Furuya, E. G., EE Oct. 96, p909-916

Young, Brian
Design of Branched-Water-Supply Network on Uneven Terrain, EE July/Aug. 94, p974-980
disc: Samee Lal Johnson, Rajesh Gupta and Pramod R. Bhave, EE May 96, p448

Zander, Amy K.
Energy from Paper Sludge: Criteria and Hazardous Air Pollutants, with Thomas L. Theis and Michael Brennan, EE Aug. 96, p758-760

Zappi, Mark E.
see Hong, Andrew, EE Jan. 96, p58-62

Zenz, David R.
see Sawyer, Bernard, EE May 96, p368-373

Zhu, Guang
see Qasim, Syed R., EE Sept. 96, p875-878

Zhu, Xin X.
Expert System for Water Treatment Plant Operation, with Angus R. Simpson, EE Sept. 96, p822-829

Zirschky, John
Take-Home Toxin Pathway, EE May 96, p430-436